

Piggyback No. 5: Portable, Modular, and Pre-Fabricated Solutions

TAB C: *Ancillary Materials*



TAB C: Ancillary Materials, Bid Option 2 (Must include TABs B-D)

SPECIFICATIONS/PRICING MATRIX.....	528
• CEILING TILE	
• WINDOW AND DOOR	
• FLOORING	
• WHITEBOARDS	
• WALL	
• LIGHTING	
• PLUMBING	
• CLASSROOM FURNITURE	
• PAINT	
• ROOFING	
• GUTTERS AND DOWN SPOUTS	
• GARAGE DOORS	
• ASPHALT, SLURRY AND STRIPING	
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• PLAYGROUND	
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School Zone® FINE FISSURED™ & School Zone® GEORGIAN™

Square Lay-in
medium texture

SPECIFICATIONS CEILING TILES



TOTAL
ACOUSTICS™



School Zone® Fine Fissured™ panels with Prelude® 15/16" suspension system (Pgs. 279-280)

This panel is a good choice for classrooms with economical, non-directional ceilings and improved acoustics.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics™ ceiling panels: $NRC + CAC = \text{Total Acoustics}^{\text{TM}}$ performance
- Excellent sound absorption – products can help comply with ANSI S12.60 Classroom Guidelines
- Economical
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

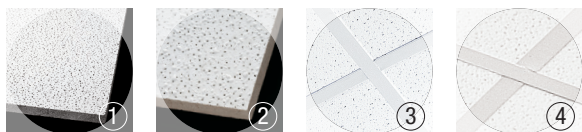
- Schools
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Libraries/band rooms
- Corridors

COLOR



White

DETAILS (Other Suspension Systems compatible. Refer to listing on page 228.)



1. School Zone Fine Fissured Square Lay-in
2. School Zone Georgian
3. Fine Fissured Square Lay-in with Prelude 15/16" suspension system
4. School Zone Georgian with Prelude 15/16" suspension system

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



TechLine™ 877 ARMSTRONG
armstrong.com/commceilings



School Zone® FINE FISSURED™ & School Zone® GEORGIAN™

Square Lay-in
medium texture

VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 295-299 armstrong.com/catdwgs	Item No.	Dimensions (Inches)
School Zone® FINE FISSURED™			
15/16" Square Lay-in	1	1713	24 x 24 x 3/4"
	1	1810	24 x 24 x 3/4"
	1	1714	24 x 48 x 3/4"
	1	1811	24 x 48 x 3/4"
15/16" Angled Tegal	13	1717	24 x 24 x 3/4"
	13	1820	24 x 24 x 3/4"
	13	1824	24 x 48 x 3/4"
9/16" Beveled Tegal	29, 44, 48, 52, 56, 60	1719	24 x 24 x 3/4"
	29, 44, 48, 52, 56, 60	1821	24 x 24 x 3/4"
School Zone® GEORGIAN			
15/16" Square Lay-in	1	796	24 x 24 x 3/4"
	1	795	24 x 48 x 3/4"





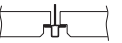
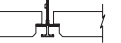
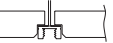
¹ Total Acoustics™ ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

PERFORMANCE SELECTION

Dots represent high level of performance.

UL Classified Acoustics	Total Acoustics ¹	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	Recycled Content	Recycle Program	30-Yr Warranty
NRC + CAC =	NRC + CAC											
UL Classified				Bio-Block	Humi-Guard+							
0.70	35	BETTER	Class A	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.70	40	BETTER	Fire Guard™	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.70	40	BETTER	Class A	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.70	40	BETTER	Fire Guard	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.70	40	BETTER	Class A	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.70	35	BETTER	Fire Guard	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.70	35	BETTER	Class A	0.85	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.65	35	GOOD	Class A	0.86	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•
0.65	35	GOOD	Class A	0.86	•	•	•	•	•	•	•	•
•	•			•	•	•	•	•	•	•	•	•

SUSPENSION SYSTEMS

15/16"		9/16"						
	Prelude® Prelude XL® Fire Guard		Silhouette® 1/4" Reveal	Silhouette® 1/8" Reveal	Suprafine® Suprafine XL® Fire Guard™	Interlude® XL® HRC	Sonata® XL®	Trimlok®

PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled.) Fire Guard: A fire-resistive ceiling when used in applicable UL assemblies.

ASTM E1264 Classification

Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance

HumiGuard® Plus ceiling panels maintain superior sag resistance. Recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew

Ceiling panels with BioBlock® coating contain a mold-inhibiting agent that resists the growth of mold and mildew.

VOC Emissions

Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

School Zone Fine Fissured: R Factor – 1.5 (BTU units) R Factor – 0.26 (Watts units)
School Zone Georgian: R Factor – 1.6 (BTU units) R Factor – 0.28 (Watts units) LEED® is a registered trademark of the U.S. Green Building Council All other trademarks used herein are the property of AWI Licensing Company and/or its affiliates © 2015 AWI Licensing Company Printed in the United States of America

30-Year Performance Guarantee & Warranty

When installed with Armstrong® Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

1824 – 1.20 lbs/SF; 64 SF/ctn
1717, 1719 – 1.25 lbs/SF; 48 SF/ctn
1713, 1810, 1820, 1821 – 1.31 lbs/SF; 48 SF/ctn
1714, 1811 – 1.38 lbs/SF; 64 SF/ctn
795 – 1.38 lbs/SF; 64 SF/ctn
796 – 1.31 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

Items 1810M, 1811M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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armstrong.com/commceilings

(search: school zone)
BPCS-4629-915

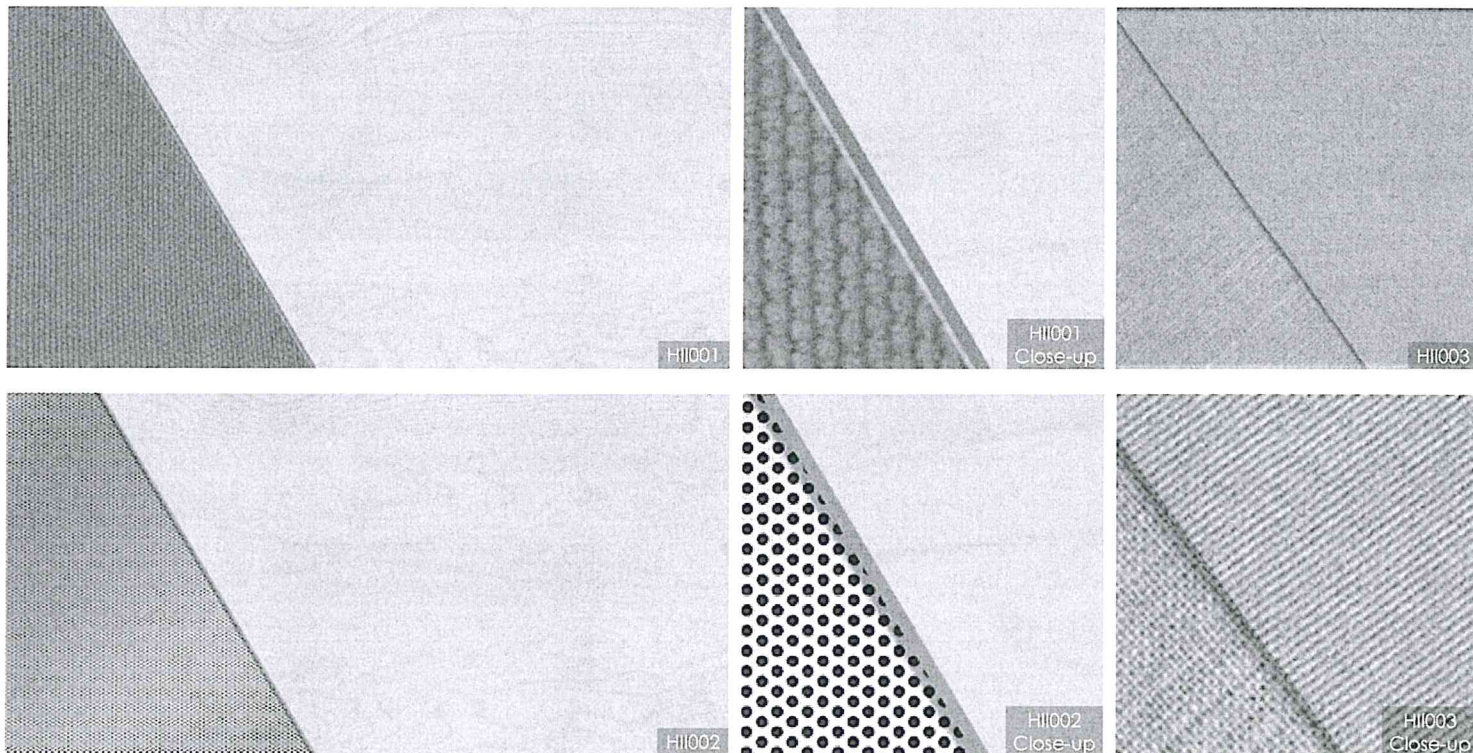
Armstrong® 228


CSI

Wall Panels

HIGH IMPRESSIONS

Mineral Fibre Ceiling Tile



SIZE	DESIGN	EDGE DETAIL	NRC	FIRE RATING ASTM E84	WASHABLE	LEED® v4	VOC COMPLIANT
24" x 24" x 3/4"	H11001, H11002, H11003	 Trim 15/16 Grid	0.7	Class A	YES	YES	YES
24" x 48" x 3/4"							



Acoustical & Sound Dampening

Outstanding acoustical performance for sound absorption and sound blocking.



Sustainable

Over half of the product's material content comes from recycled content.



Fire Rated

Complies with building fire codes with a Class A rating per ASTM E84.



People & Environmentally Friendly

Meets LEED® v4 VOC compliance guidelines and is certified compliant with California Department of Public Health CDPH/EHLB Standard Method version 1.1, 2010.



Durable

Exceptional surface durability including scratch, sag, and mold resistance.



LEED®

Compliant with LEED® for schools classroom acoustic prerequisite.



Washable

Excellent washability and cleanability with sanitizing chemicals.

CSIWALLPANELS.COM

INFO@CSIWALLPANELS.COM

952-224-9959

USG “F” FISSURED™ BASIC ACOUSTICAL PANELS

USG “F” Fissured™ Basic
Acoustical Panels/USG Donn®
Brand Centricitee™ DX™ Acoustical
Suspension System

TO ORDER SAMPLES, GO TO USG.COM



Flat White
050

FEATURES AND BENEFITS

- Cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Zero VOC emissions exceed CA Specification 01350.
- USDA Certified Biobased Product.⁶
- 12"x12" tile with the USG Donn® Brand DX®/DXL™ Concealed Acoustical Suspension System creates a “gridless” appearance.

APPLICATIONS

- Administrative offices
- Schools
- Financial institutions
- Religious buildings

SUBSTRATE

- Cast mineral fiber

Medium-Textured Panel

USG “F” FISSURED™ BASIC ACOUSTICAL PANELS

ORDER SAMPLES/LITERATURE
usg.com | samplrt@usg.com
fax: 888 874-2348

SEE LEED REPORT TOOL
for detailed sustainability
information, as well as the
MOST UP-TO-DATE
TECHNICAL INFORMATION,
at usgdesignstudio.com

TECHNICAL SERVICES
800 USG.4YOU (874-4968)



UL Classified

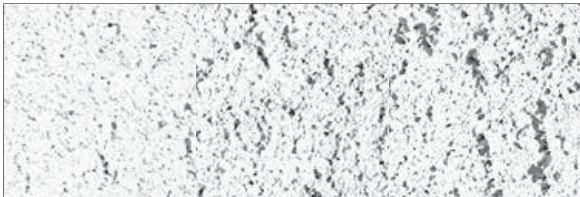
Edge	Panel Size	Fire Rating	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Abuse Resistant	Recycled Content ¹	Panel Cost
SQ 	2'x2'x3/4" Paper-Back	Class A	131	.70	35	.79	White	A,B,C	Zero		66%	\$\$\$
	2'x4'x3/4" Paper-Back	Class A	135	.70	35	.79	White	A,B	Zero		66%	\$\$\$
SL 	2'x2'x3/4" Paper-Back	Class A	132	.70	35	.79	White	D	Zero		66%	\$\$\$
	2'x4'x3/4" Paper-Back	Class A	136	.70	35	.79	White	D	Zero		66%	\$\$\$
FL 	2'x2'x3/4" Paper-Back	Class A	133	.70	35	.79	White	E,F,G,H	Zero		66%	\$\$\$
BESK 	12"x12"x3/4"	Class A	102	.70	25	.79	White	I	Zero		66%	\$\$\$\$
SESK 	12"x12"x3/4"	Class A	101	.70	25	.79	White	J	Zero		66%	\$\$\$\$

Zero Emissions (VOC)
Zero-emitting performance exceeds CA Specification 01350 (CA Dept. of Health Services Standard Practice for the testing of VOC emissions) and is listed on the CHPS database. USG Certificate of Compliance for Zero VOC Emissions also available on usg.com.

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

A USG DX®/DXL™	B USG DXW™	C USG Centricitee™ DXT™	D USG DX®/DXL™	E USG Centricitee™ DXT™	F USG Fineline® DXF™	G USG Fineline® 1/8 DXFF™	H USG Identitee™ DXI™	I USG DX®/DXL™ Concealed	J USG DX®/DXL™ Concealed



Composite of USG “F” Fissured™ Basic ceiling products shows range to be expected in a production lot and possibly in the same panel or tile. Ranges are random and cannot be specified. Texture appearance will vary based on ceiling height, installation methods and natural variations of the product.

PHYSICAL DATA/
FOOTNOTES

Product literature Data sheet: SC1816	Maximum backloading See USG 30-Year Limited Warranty Commercial Applications (SC2102).	Notes 1. For details, see LEED report tool at usgdesignstudio.com. 2. LR values are shown as averages. 3. Contact USG for adhesive recommendations for 12"x12" glue-up applications. 4. Not UL Classified for acoustics. 5. Maximum 2'x2' with SQ edge panels. 6. This product has achieved both BioPreferred initiatives: Federal Procurement Preference and Certified Product Labeling. See the complete listing of all USG ceiling panels on biopreferred.gov website.
ASTM E1264 classification Type III, Form 4, Pattern D	Maintenance Can be cleaned easily with a soft brush or vacuum.	
ASTM E84 surface-burning characteristics Class A Flame spread: 25 Smoke developed: 50	Texture The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing cast products by production lot number.	
Weight 1.70 lbs./sq. ft.		
Thermal resistance R-1.7		

PRICING MATRIX

CEILING TILE			
Product Description		UOM	Price
Acoustical Suspension Systems	Metal Suspension System ASTM C 635 Heavy Duty (15/16" Exposed Tee) 1/2" thick	SF	\$4.95
Acoustical Suspension Systems	Metal Suspension System ASTM C 635 Heavy Duty (15/16" Exposed Tee) 5/8" thick	SF	\$4.95
Acoustical Suspension Systems	Metal Suspension System ASTM C 635 Heavy Duty (15/16" Exposed Tee) 3/4" thick	SF	\$4.95
Ceiling Tiles	School Zone Fine Fissured 15/16" Square Lay-in 24x24	SF	\$3.50
Ceiling Tiles	School Zone Fine Fissured 15/16" Square Lay-in 24x48	SF	\$3.50
Ceiling Tiles	School Zone Fine Fissured 15/16" Angled Tegular 24x24	SF	\$3.95
Ceiling Tiles	School Zone Fine Fissured 15/16" Angled Tegular 24x48	SF	\$3.95
Ceiling Tiles	School Zone Fine Fissured 9/16" Beveled Tegular 24x24	SF	\$4.15
Ceiling Tiles	Auris Baffle, Exposed Edge or Wrapped Edge, 1 1/4 in. panel thickness	Square Foot	Inquire
Ceiling Tiles	Auris Suspended 25, Exposed Edge or Wrapped Edge, 1 in. panel thickness	Square Foot	Inquire
Ceiling Tiles	Boxleaf, Two Layers, 4' x 8'	Layer	\$1,325.50
Ceiling Tiles	Ceramaguard-Square Lay-In	Package	\$372.50
Ceiling Tiles	Clean Room FL- Square Lay-In	Package	\$575.50
Ceiling Tiles	Clean Room FL- Square Lay-In	Package	\$825.50
Ceiling Tiles	Clean Room VL (Unperforated)-Flash Guard- Square Lay-In	Package	\$345.50
Ceiling Tiles	Clean Room VL (Unperforated)-Flash Guard- Square Lay-In	Package	\$395.50
Ceiling Tiles	Clown Fish, Comb, 6"	Layer	\$255.50
Ceiling Tiles	Clown Fish, Comb, 12"	Layer	\$695.50

PRICING MATRIX

CEILING TILE			
Product Description		UOM	Price
Ceiling Tiles	Clown Fish, Comb, 24"	Layer	\$195.50
Ceiling Tiles	Comb, Comb, 6"	Layer	\$255.50
Ceiling Tiles	Comb, Comb, 12"	Layer	\$695.50
Ceiling Tiles	Comb, Comb, 24"	Layer	\$195.50
Ceiling Tiles	Comb, Two Layers, 4' x 8'	Layer	\$1,325.50
Ceiling Tiles	Cortega and Second Look- Angled Tegular	Package	\$215.50
Ceiling Tiles	Cortega and Second Look-Beveled Tegular	Package	\$145.50
Ceiling Tiles	Cortega and Second Look-Square Lay-In	Package	\$165.50
Ceiling Tiles	Cortega Fire Guard-Angled Tegular	Package	\$245.50
Ceiling Tiles	Cortega Fire Guard-Square Lay-In	Package	\$195.50
Ceiling Tiles	Distort, Two Layers, 4' x 8'	Layer	\$1,325.50
Ceiling Tiles	Georgian- Square Lay-In	Package	\$230.50
Ceiling Tiles	Georgion High Washibilty-Square Lay-In	Package	\$215.50
Ceiling Tiles	Hardware & Accesories	Each	\$35.50
Ceiling Tiles	Iso, Comb, 6"	Layer	\$165.50
Ceiling Tiles	Iso, Comb, 12"	Layer	\$565.50
Ceiling Tiles	Iso, Comb, 24"	Layer	\$141.50
Ceiling Tiles	Jigsaw, Comb, 6"	Layer	\$266.50

PRICING MATRIX

CEILING TILE			
Product Description		UOM	Price
Ceiling Tiles	Jigsaw, Comb, 12"	Layer	\$510.50
Ceiling Tiles	Jigsaw, Comb, 24"	Layer	\$145.50
Ceiling Tiles	Kitchen Zone- Square-Lay-In	Package	\$245.50
Ceiling Tiles	Kitchen Zone- Square-Lay-In	Package	\$179.50
Ceiling Tiles	Multi-Panel, Acoustical Tackable Multi-Panel, 4' x 2'	Layer	\$495.50
Ceiling Tiles	Multi-Panel, Acoustical Tackable Multi-Panel, 4.5' x 2'	Layer	\$525.50
Ceiling Tiles	Multi-Panel, Acoustical Tackable Multi-Panel, 5' x 2'	Layer	\$495.50
Ceiling Tiles	Multi-Panel, Acoustical Tackable Multi-Panel, 5.5' x 2'	Layer	\$550.50
Ceiling Tiles	Optima-Square Tegular	Package	\$1,095.50
Ceiling Tiles	Ortho Random, Two Layers, 4' x 8'	Layer	\$1,350.50
Ceiling Tiles	Ortho Tile, Comb, 12"	Layer	\$245.50
Ceiling Tiles	Ortho Tile, Comb, 24"	Layer	\$705.50
Ceiling Tiles	Ortho Tile, Comb, 6"	Layer	\$185.50
Ceiling Tiles	Ortho, Two Layers, 4' x 8'	Layer	\$1,350.50
Ceiling Tiles	Pendant, Comb, 12"	Layer	\$245.50
Ceiling Tiles	Pendant, Comb, 24"	Layer	\$695.50
Ceiling Tiles	Pendant, Comb, 6"	Layer	\$179.50
Ceiling Tiles	Perfor Random, Two Layers, 4' x 8'	Layer	\$1,350.50

PRICING MATRIX

CEILING TILE			
Product Description		UOM	Price
Ceiling Tiles	Perfor Tile, Comb, 12"	Layer	\$245.50
Ceiling Tiles	Perfor Tile, Comb, 24"	Layer	\$695.50
Ceiling Tiles	Perfor Tile, Comb, 6"	Layer	\$179.50
Ceiling Tiles	Perfor, Two Layers, 4' x 8'	Layer	\$1,350.50
Ceiling Tiles	Planar Ceiling, Exposed Edge or Covered Edge, 1 in. panel thickness	Square Foot	Inquire
Ceiling Tiles	Planar, Exposed Edge or Wrapped Edge, 1/2 in. panel thickness	Square Foot	Inquire
Ceiling Tiles	Planar, Exposed Edge or Wrapped Edge, 1/2 in. panel thickness	Square Foot	Inquire
Ceiling Tiles	Random Fissured-Fiberglass- Square Lay-In	Package	\$325.50
Ceiling Tiles	Rectangle, Comb, 12"	Layer	\$160.50
Ceiling Tiles	Rectangle, Comb, 24"	Layer	\$510.50
Ceiling Tiles	Rectangle, Comb, 6"	Layer	\$130.50
Ceiling Tiles	Shark Teeth, Comb, 12"	Layer	\$250.50
Ceiling Tiles	Shark Teeth, Comb, 24"	Layer	\$695.50
Ceiling Tiles	Shark Teeth, Comb, 6"	Layer	\$179.50
Ceiling Tiles	Shasta-Fiberglass-Square Lay-In	Package	\$315.50
Ceiling Tiles	Slate, Two Layers, 4' x 8'	Layer	\$1,350.50
Ceiling Tiles	STEM Room Maker, Acoustical STEM Room Maker, 4' x 6'	Layer	Inquire
Ceiling Tiles	STEM Room Maker, Acoustical STEM Room Maker, 5' x 6'	Layer	Inquire
Ceiling Tiles	STEM Room Maker, Acoustical STEM Room Maker, 6' x 6'	Layer	Inquire
Ceiling Tiles	Template, Two Layers, 4' x 8'	Layer	\$1,350.50
Ceiling Tiles	Tron, Two Layers, 4' x 8'	Layer	\$1,350.50
Ceiling Tiles	Ultima- Square Lay-In	Package	\$245.50
Ceiling Tiles	Ultima-Beveled Tegalur	Package	\$365.50
Ceiling Tiles	Wrapping Panel, Acoustical Wrapping Panel	Layer	Inquire

PRICING MATRIX

CEILING TILE			
Product Description		UOM	Price
Ceiling Tiles	Zen, Comb, 12"	Layer	\$245.50
Ceiling Tiles	Zen, Comb, 24"	Layer	\$695.50
Ceiling Tiles	Zen, Comb, 6"	Layer	\$179.50
Ancillary Application	Deliver and Layout Acoustical Ceiling Tiles	Square Foot	\$2.75
Ancillary Application	Assemble Ceiling Tile Grid System	Square Foot	\$5.25
Ancillary Application	Ceiling Tile Installation (includes removal and disposal of existing panels)	per Panel (2x4)	\$24.00

PRICING MATRIX

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SCHLAGE

AL Series

Cylindrical locks





Put your trust in the name you know

Contents

4-5	Mechanical lock guide
6	AL Series introduction and performance features
7	Exploded view
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15	IC installation tool
16	Latches
17	Strikes
17	Rabbeted latch and strike kit
18	Specifications and certifications

Pictured here: Saturn lever shown in 626 satin chrome

Cover photo: Neptune lever shown in 626 satin chrome finish

For more than 90 years, Schlage has been creating the strongest and most technologically advanced security products for schools, hospitals, hotels, commercial and institutional buildings, multi-family properties and homes. From durable mechanical locks to comprehensive electronic access control solutions and biometrics, Schlage provides protection at critical moments – when property and personal security are at stake. With a wide range of products, styles and finishes, Schlage has products for the most demanding project specifications. In public buildings, in the workplace, and in homes, at the end of the day Schlage stands for one thing: strong.

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QuietSolutions



CustomDécor



HighSecurity and Safety



EnvironmentalSolutions



FlexibleConfigurations

Real security is knowing exactly what you want and getting it

When you know exactly what you want, you don't want to waste time finding out whether it meets your project specifications. That's why we offer the world's largest team of hardware specification writers to help you and your clients turn your vision into reality. And when it comes to products, our commercial suiting options, wide variety of lever designs and rich selection of finishes give you the tools you need to make your projects perfect. You know what you want. With Schlage, you can be sure you'll get it.



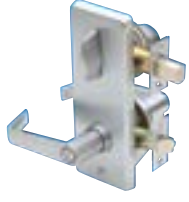


Safety, security and confidence

When you choose a Schlage lock, you can be sure you've done the job right, the first time. After all, our products are among the most durable and dependable on the market today. Our locks are easy to install, and simple to repair and maintain. That means fewer callbacks for you, and total safety and security for your customers.








SPECIFICATIONS

Schlage commercial locks

				
Tubular interconnected locks	Tubular locks	Tubular interconnected locks	Cylindrical locks	Cylindrical interconnected locks
CS200 Series	S Series	S200 Series	A Series	H Series
Grade 2	Grade 2		Grade 2	
Security level:				
ANSI/BHMA certified A156.2-2013 Exceeds 400,000 ANSI cycles Medium traffic	ANSI/BHMA certified A156.2-2011 Exceeds 400,000 ANSI cycles Light traffic	- - Exceeds 400,000 ANSI cycles Medium traffic	ANSI/BHMA certified A156.2-2011 Exceeds 400,000 ANSI cycles Medium traffic	- - Exceeds 400,000 ANSI cycles Medium traffic
Typical applications:				
Exterior Interior New construction Retrofit	- Interior - Retrofit	Exterior Interior New construction Retrofit	Exterior Interior New construction Retrofit	Exterior Interior - Retrofit
Functions available:				
1 Function - -	6 Functions - -	5 Functions - -	11 Functions - -	5 Functions - -
Design options:				
7 Finishes 15 Lever styles - 1 Matching rose 2 Interior escutcheons Tactile warning available	7 Finishes 4 Lever styles - 1 Matching rose - Tactile warning available	7 Finishes 4 Lever styles - 1 Matching rose 1 Interior escutcheon -	10 Finishes 1 Lever style 4 Knob styles 1 Matching rose - -	7 Finishes 1 Lever style 2 Knob styles 1 Matching rose 1 Interior escutcheon -
Often used in:				
Commercial Multi-family Office	Commercial Multi-family Office	Commercial Multi-family Office	Commercial Govt/military Healthcare Hospitality Office Retail	Commercial Govt/military Multi-family

Not all functions and finishes available with all products. Please consult your SSC representative for details.

SPECIFICATIONS

					
Cylindrical locks	Deadbolts		Cylindrical locks	Cylindrical locks	Mortise locks
AL Series	B Series		D Series	ND Series	L Series
Grade 2	Grade 2	Grade 1	Grade 1	Grade 1	Grade 1
Security level:					
ANSI/BHMA certified A156.2-2011 Exceeds 400,000 ANSI cycles Medium traffic	ANSI/BHMA certified A156.5-2010 Exceeds 150,000/250,000 ANSI cycles High traffic, heavy-duty		ANSI/BHMA certified A156.2-2011 Exceeds 1,000,000 ANSI cycles High traffic	ANSI/BHMA certified A156.2-2011 Exceeds 1,000,000 ANSI cycles Heavy-duty traffic	ANSI/BHMA certified A156.13-2012 Exceeds 1,000,000 ANSI cycles Heavy-duty traffic
Typical applications:					
Exterior Interior New construction Retrofit	Exterior - New construction Retrofit		Exterior Interior - Retrofit	Exterior Interior New construction Retrofit	Exterior Interior New construction Retrofit
Functions available:					
10 Functions - -	7 Functions - -	6 Functions - -	14 Functions 2 Electrified -	29 Functions 6 Electrified Vandlgard® available	49 Functions 4 Electrified Vandlgard® available
Design options:					
10 Finishes 4 Lever styles - 1 Matching rose - Tactile warning available	10 Finishes - - - - Indicator rose		10 Finishes - 3 Knob styles 1 Matching rose - -	9 Finishes 5 Lever styles - 2 Matching roses - Tactile warning available	13 Finishes 26 Lever style 3 Knob styles 4 Matching roses 2 Escutcheons Tactile warning available Antiligature available
Often used in:					
Commercial Healthcare Hospitality Office Retail	Commercial/institutional Govt/military Heavy-duty residential Hospitality Office Retail		Institutional Govt/military Hospitality Retail	Institutional Education Healthcare Office Retail	Commercial/institutional Govt/military Education Healthcare Office Retail

This chart shows the most common uses/applications. These products are often used in other applications in addition to those listed.

Rev. 11/13

AL Series

Dependable performance for high traffic commercial applications

At Schlage, we know that every product you specify has to stand up to constant use, while meeting your needs for security at every level. Our AL Series locks are designed to deliver ADA compliant accessibility and constant, reliable performance. The AL Series is best for buildings with medium to high traffic flow, such as interior office doors, banks, retail spaces and hotel guest areas. With a Grade 2 ANSI rating, and styles and finishes to suit your building's design, the AL Series fits right where you need it.

Pictured here: Jupiter lever shown in 626 satin chrome



We don't compromise on security

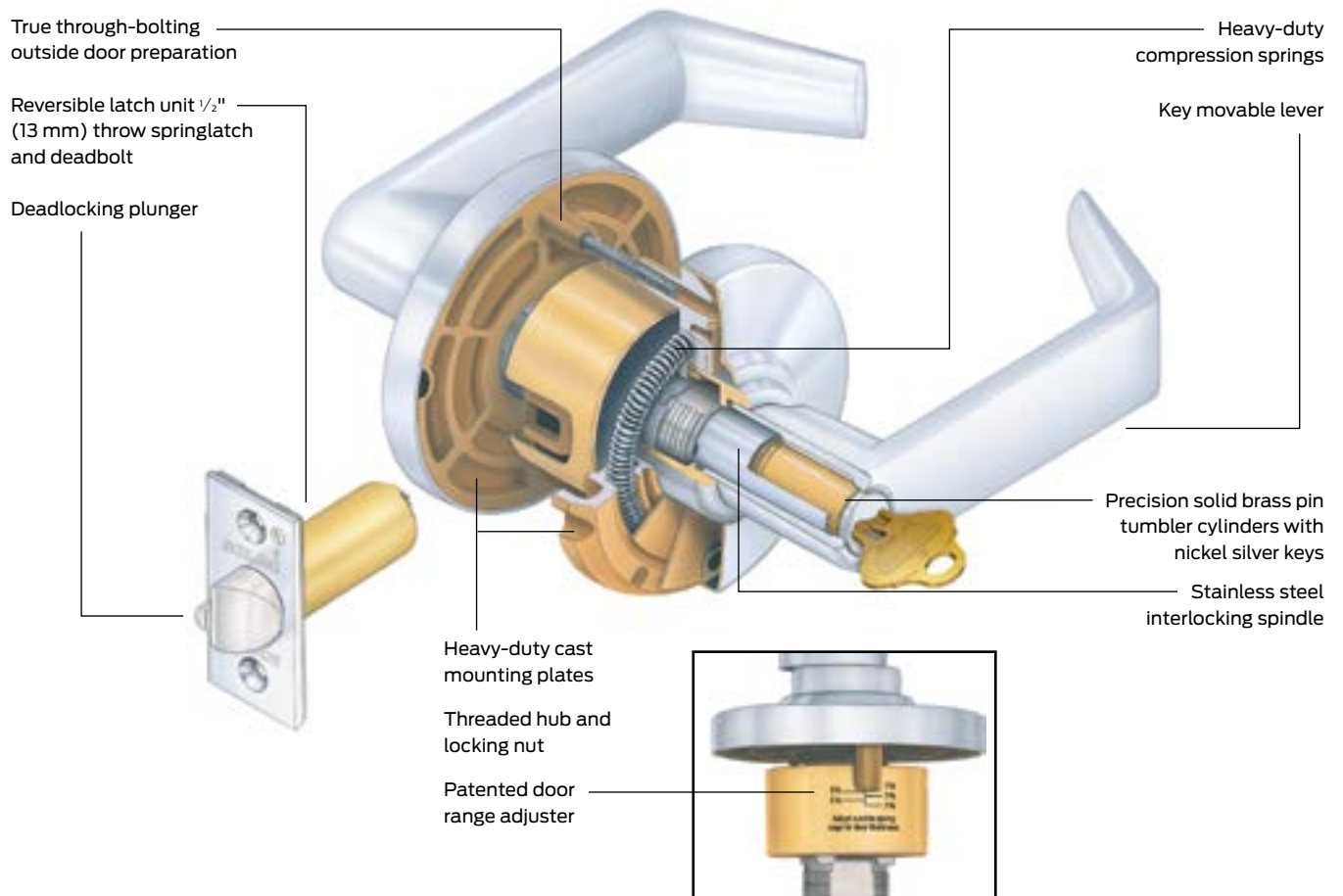
The safety and security of your clients' buildings is something we take very seriously. That's why every Schlage lock and deadbolt undergoes intensive testing to determine its ANSI grade level:

- Cycle tests
- Resistance tests
- Door impact tests
- Warped door tests
- Bolt strength tests

We pay attention to these details so you can focus on creating a functional and aesthetically pleasing environment for your clients. In fact, every one of our AL Series locks meets ANSI Grade 2 standards for safety.

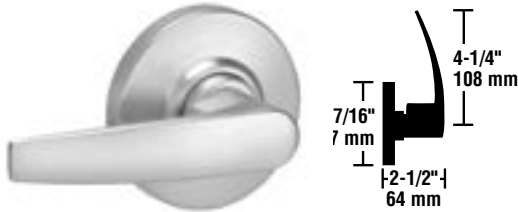
The lever that looks as good as it performs

- Cold-rolled steel, machined and threaded hubs, and locking nuts prevent the loosening of the lockset by securely bolting the chassis to the door
- Large diameter of mounting plate and rose covers new ANSI hollow metal door cutout
- Patented door range adjuster allows quick and easy adjustment for doors ranging from 1³/₈" to 1⁷/₈" (35 mm to 48 mm) thick



AL Series lever designs

Jupiter (JUP)



Symbol: JUP

Material: Pressure cast zinc lever; wrought brass or bronze rose

Suites: S Series **JUPITER**, ND Series **ATHENS** and L Series **07** designs



Neptune (NEP)



Symbol: NEP

Material: Pressure cast zinc lever; wrought brass or bronze rose

Suites: S Series **NEPTUNE**, ND Series **SPARTA** and L Series **17** designs



Omega (OME)



Symbol: OME

Material: Pressure cast zinc lever; wrought brass or bronze rose

Suites: ND Series **OMEGA** and L Series **OMEGA** designs



Saturn (SAT)



Symbol: SAT

Material: Pressure cast zinc lever; wrought brass or bronze rose

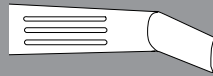
Suites: S Series **SATURN**, H Series **LEVON**, ND Series **RHODES** and L Series **06** designs

Options: Tactile warning



Tactile warning

Milled



Order as follows:
BSA for Saturn

Only available on outside lever, unless otherwise specified

All designs shown in 626 satin chrome



= Standard cylinder.



= FSIC - Full size interchangeable core option.



= SFIC - Small format interchangeable core option.



= Complies with ADA accessibility guidelines.



= Antimicrobial coating available on 626 finish only.



= Meets California code for 1/2" or less return to the door.



= Extended factory lead time.

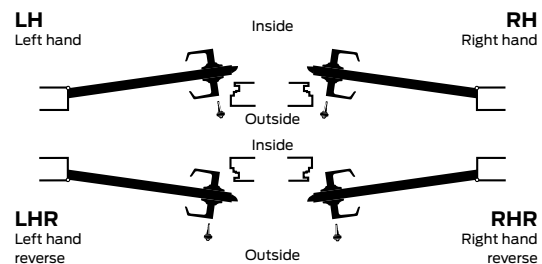
Lever finishes

										
	605 Bright brass	606 Satin brass	609 Antique brass	612 Satin bronze	613 Oil rubbed bronze	619 Satin nickel	625 Bright chromium plated	626 Satin chromium plated	626AM Anti- microbial coating	643e Aged bronze
AL Series locks										
Jupiter	•	•		•	•	•	•	•	•	•
Neptune	•	•	•	•	•	•	•	•	•	•
Omega	•	•	•	•	•	•	•	•	•	•
Saturn	•	•	•	•	•	•	•	•	•	•

e = an equivalent finish to the BHMA standard.

Door handing

All Schlage locks are reversible. Hand information is necessary to ensure proper cylinder orientation in keyed functions, and finish of latchbolt and strike for locks that are to be installed on reverse bevel doors. Follow the diagram to correctly determine the hand of the door.



ADA-compliant products



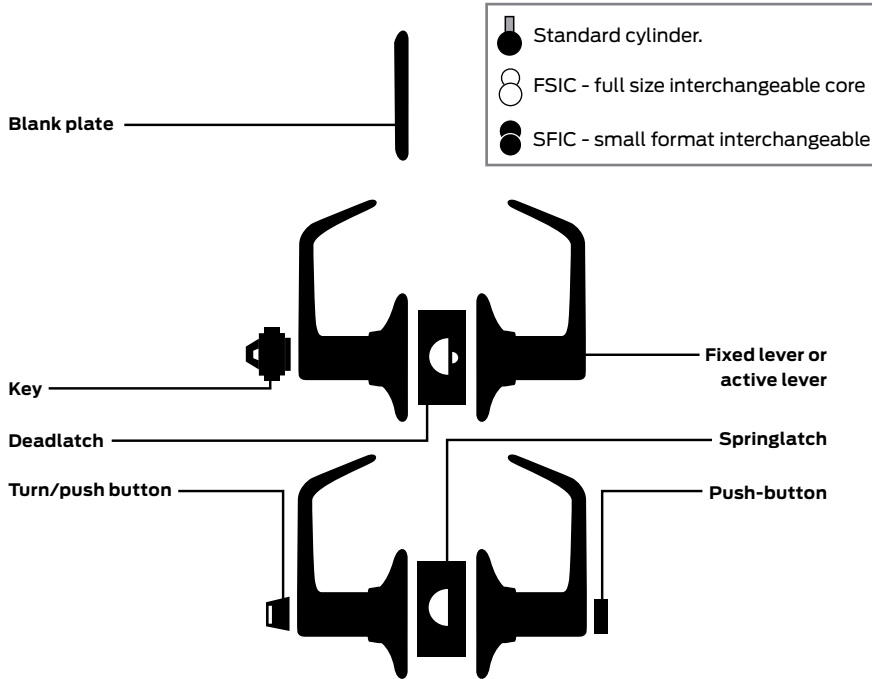
In compliance with the American National Standards Institute (ANSI A117.1) and the Americans with Disabilities Act (ADA), Schlage Lock Company offers a wide selection of locks designed for the needs of the physically challenged. This act is designed to provide protection for people with disabilities.

The intent of ADA is that owners of certain types of buildings must remove barriers and provide people with disabilities with access equal to, or similar to, that available to the general public.

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

Lock functions

ANSI A156.2 Series 4000 Grade 2



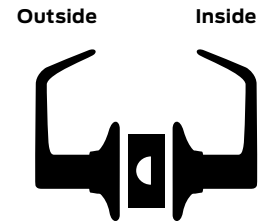
Non-keyed functions

Schlage ANSI

AL10S F75

Passage latch

- Both levers always unlocked.
- Inside lever always free for immediate egress.



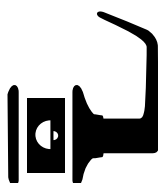
Schlage ANSI

AL25D -

Exit lock

- Blank plate outside.
- Inside lever always unlocked.
- Inside lever always free for immediate egress.
- Specify door thickness.

Outside Inside



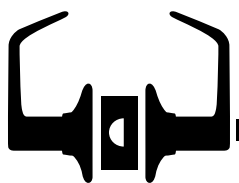
Schlage ANSI

AL40S F76

Bath/bedroom privacy lock

- Push-button locking.
- Can be unlocked from outside with small screwdriver.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Outside Inside



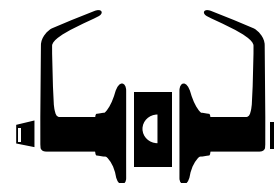
Schlage ANSI

AL44S -

Hospital privacy lock

- Push-button locking.
- Unlock from outside by turning emergency turn-button.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Outside Inside



Lock functions

ANSI A156.2 Series 4000 Grade 2

Keyed functions

Schlage ANSI

AL170 —

Single dummy trim

- Single dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

Outside or Inside



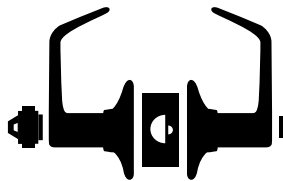
Schlage ANSI

AL50PD **F82**

Entrance/office lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with a key or by rotating the inside lever.
- Inside lever always free for immediate egress.

Outside Inside



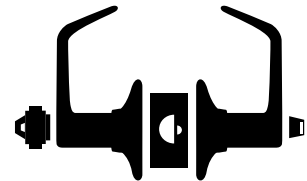
Schlage ANSI

AL53PD **F109**

Entrance lock

- Turn/push-button locking: pushing and turning button locks outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: push-button locks the outside lever until it is unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

Outside Inside



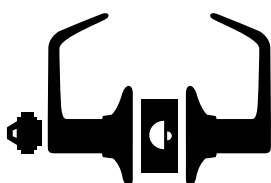
Schlage ANSI

AL70PD **F84**

Classroom lock

- Outside lever is locked and unlocked by key.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

Outside Inside



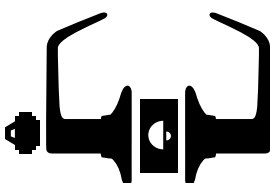
Schlage ANSI

AL80PD **F86**

Storeroom lock

- Outside lever is fixed.
- Entrance by key only.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

Outside Inside

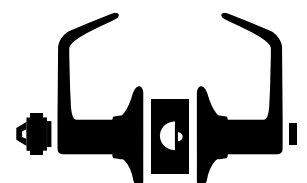


Schlage ANSI

AL85PD **F93**
Faculty restroom lock
(with indicator cylinder)

- Outside lever is fixed.
- Entrance by key only.
- Push button on inside lever activates visual occupancy indicator, allowing only the emergency masterkey to operate.
- Rotate inside lever or close door to release visual occupancy indicator.
- Rotation of inside spanner button provides lockout feature by keeping indicator thrown.
- Inside lever always free for immediate egress.

Outside Inside



Cylinders and key systems

Protect new key systems with Everest 29

Schlage can help you design a system that can grow and change along with your needs, allowing you the flexibility to upgrade your security without the need to replace all your cylinders.

What it operates

- Everest 29 Primus® XP cylinders
- Everest 29 restricted cylinders
- Everest 29 open cylinders

What it is

UL 437 version

- UL 437 versions provide drill and pick resistance and withstand physical attack
- High security cylinders have a second set of pins for added security
- Patented key control sold with various levels of geographic exclusivity
- Keys operate high security, as well as restricted security or standard security cylinders
- Available only in conventional

Controlled access

- Everest 29 Primus XP cylinders
- Everest 29 restricted cylinders
- Everest 29 open cylinders
- Patented key control sold with various levels of geographic exclusivity
- High security cylinders have a second set of pins for added security and pick resistance
- Keys operate high security, as well as restricted security or standard security cylinders
- Available only in conventional and FSIC



▲ EVEREST 29[®] PRIMUS XP
High security

- Everest 29 restricted cylinders

- Key distribution is restricted duplication must be authorized
- End user's ID numbers are stamped on all keys, enabling Schlage to identify the source of any unauthorized keys
- Patent-protected keys are drop-shipped from the factory directly to an end-user specified location to guarantee exclusivity
- Available in conventional, SFIC and FSIC



▲ EVEREST 29[®]
Restricted security

- Everest 29 open cylinders

- Patented key blanks can be stored by commercial locksmiths and security dealers
- Keys can be duplicated without any paperwork or signature verification
- Sold only through commercial outlets
- Available in conventional and FSIC



▲ EVEREST 29[®]
Standard security

Upgrade existing classic key systems with Primus XP

Schlage offers key system solutions that are ideal for upgrading an existing key system to control key management. Our patent-protected cylinders help prevent unauthorized duplication and can be integrated into virtually any existing system.

What it is

UL 437 version

- UL 437 versions provide drill and pick resistance and withstand physical attack
- High security cylinders have a second set of pins for added security
- Patented key control sold with various levels of geographic exclusivity
- Keys operate high security, as well as restricted security or standard security cylinders
- Available only in conventional

What it operates

- Primus XP cylinders
- Classic cylinders



PRIMUS XP
High security

Controlled access

- Patented key control sold with various levels of geographic exclusivity
- High security cylinders have a second set of pins for added security and pick resistance
- Keys operate high security, as well as restricted security or standard security cylinders
- Available only in conventional

- Primus XP cylinders
- Classic cylinders



CLASSIC
Basic security

- Keys can be duplicated at most retail and commercial points of sale with no restrictions
- Recommended only for residential applications or existing commercial systems that cannot rekey
- Can be upgraded to Primus XP without rekeying the entire facility
- Available in conventional and FSIC

- Classic cylinders

Standard cylinders

Standard cylinders are available in Classic keyways or in patented Everest 29 keyways.

Specify keyway to differentiate between Everest 29 and Classic.

Example: C (Classic) vs. S123 (Everest 29).

Standard cylinders - options

- Conventional 6-pin cylinder (standard)
- Primus high security cylinder
- Primus UL437 listed high security cylinder
- Conventional 6-pin AL85 function with occupancy indicator

Available in 606 and 626 finish only.
Everest 29 S123 keyway standard.



Example of lock with
cylinder for most functions



AL85 cylinder with
occupancy indicator

Primus XP access control and high security cylinders

Primus XP access control and high security cylinders are available to add patented key control and varying degrees of geographical exclusivity to most Schlage 6-pin key systems, whether Everest 29 or Classic keyways.

In addition to a conventional pin tumbler mechanism, Primus cylinders incorporate a patented finger pin and sidebar design, providing a “dual-locking” cylinder that is virtually pick-proof. Resistance to drilling and other physical attack is optional by specifying 20-500 Series UL437 Listed cylinders.

Classic Primus XP cylinders are recommended for upgrading existing Classic key systems. Due to its extended patent life, the newly designed Everest 29 Primus XP is recommended for new key systems and for upgrading existing Everest key systems. Specify keyway to differentiate between Everest 29 and Classic. Example: C or CP (Classic) vs. S123 (Everest 29).

Visit allegion.com/us for more information.

Full size interchangeable core 8

Schlage interchangeable core (IC) locksets allow immediate rekeying at the door simply by using the special control key to replace the core in seconds. IC locksets are available in Saturn design only.

Full size core



FSIC can be integrated into any 5 or 6-pin Schlage key system.



Full size interchangeable cores - options (for JD suffix locksets)

- Conventional core
- Primus XP high security core

Available in 606 and 626 finish only.
Everest 29 S123 keyway standard.

Small format interchangeable core 8

The SFIC version is designed for Schlage Everest 29 R family restricted keyway cores and is also completely compatible with Best®, Falcon and other competitive small format cores.

Small format core



Small format interchangeable cores - options (For BD suffix locksets)

- 7-pin uncombined Everest 29 R family restricted keyways
- 7-pin combined Everest 29 R family restricted keyways
- 6-pin uncombined Falcon / Best keyways
- 7-pin uncombined Falcon / Best keyways
- Disposable plastic construction core

Available in 606 and 626 finish only. Specify keyway for existing systems.

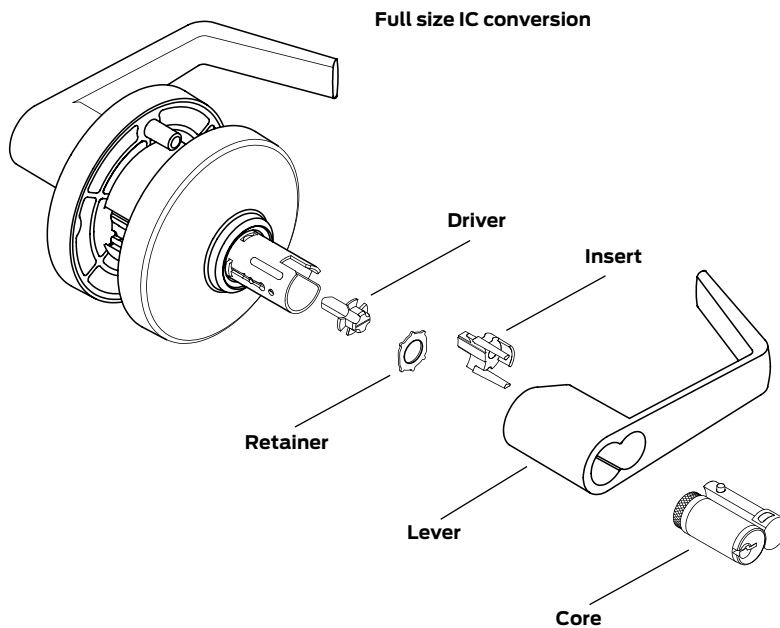
80-033 and 80-043 cores are available in A, D, E, F, G, H, J, K, L, and M keyways.

80-036 and 80-037 restricted keyway cores require a letter of authorization from the end user. Schlage assigns the keyway when establishing new Everest 29 restricted key systems.

IC conversion kits

It is easy to convert standard AL Series locksets to accept Schlage full size interchangeable cores by changing the lever and adding the parts shown.

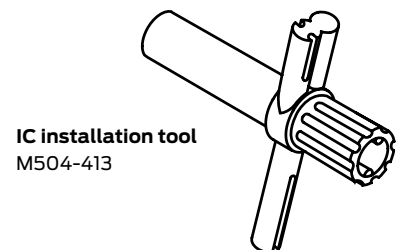
Conversion to SFIC requires different components, as well as dismantling the lockset to replace internal parts. No kits are available for this purpose.



Interchangeable core components - options

- Conversion kit: driver, retainer, lever, core *
- Conversion kit: driver, retainer, lever
- Driver, retainer
- Lever only (Saturn)*
- IC installation tool

*Specify finish.



Latches

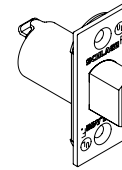
AL Series latches are adjustable for flat or beveled edge doors. Latches and strikes are furnished in brass, bronze or chrome finishes compatible with lock trim. When ordering separately, specify quantity, part number, and finish. Standard latches shown in bold type.

Latches

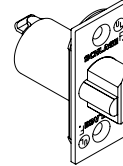
Backset	Faceplate description	Hsg dia	Deadlatch 1/2" (13 mm) throw	Springlatch 1/2" (13 mm) throw
2 3/8" (60 mm)	1" x 2 1/4" (25 mm x 57 mm) square corner	7/8" (22 mm)	11-085	11-068
	1" x 2 1/4" (25 mm x 57 mm) 1/4" (6 mm) radius round corner	7/8" (22 mm)	11-088	11-069
	1" (25 mm) circular drive-in (non-UL) 605 and 626 finishes only	1" (25 mm)	11-104	11-110
2 3/4" (70 mm)	1" x 2 1/4" (25 mm x 57 mm) square corner	7/8" (22 mm)	11-091	11-111
	1 1/8" x 2 1/4" (29 mm x 57 mm) square corner, standard	1" (25 mm)	11-096	11-116
	1" x 2 1/4" (25 mm x 57 mm) 1/4" (6 mm) radius round corner 605 and 626 finishes only	7/8" (22 mm)	11-092	11-112
	1" (25 mm) circular drive-in (non-UL)	1" (25 mm)	11-105	11-113
3 3/4" (95 mm)	1 1/8" x 2 1/4" (29 mm x 57 mm) square corner	1" (25 mm)	11-103	11-118
5" (127 mm)	Backset extension link*	7/8" (22 mm)	41-005*	

*Backset extension link 41-005 must be used with 2 3/8" backset latches.

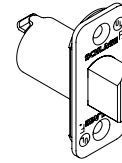
Square corner latches



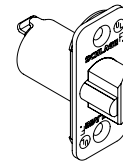
Deadlatch



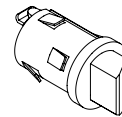
Round corner latches



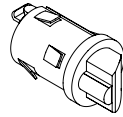
Deadlatch



Drive-in latches



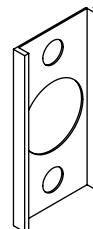
Deadlatch



Long backsets

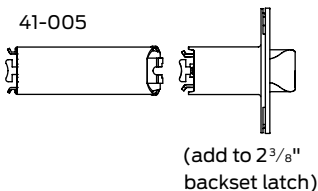
Backsets 5" require extension links. AL Series locks with long backsets are normally furnished with 1" faceplates and 7/8" housings. Links installed in 1" latch holes require one G506-815 sleeve (order separately) to join latch and link.

Latch front adapter A501-878



Used to convert 1" wide square front faceplates for 1 1/8" wide door preparations. Furnished in black plastic. Order in units of 100 each.

5" extension link



Sleeve

G506-815
(order separately)



Door reinforcement

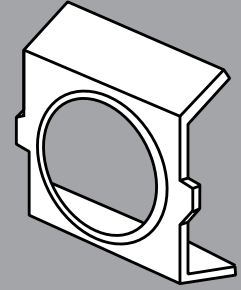
Reinforcing unit is required to reinforce and help prevent the collapse of hollow metal doors when locksets are tightly mounted. This kit should be used with long backsets for AL Series lock installations in hollow metal doors to prevent lateral movement of the latchbolt. Specify door thickness, 1³/₈" (35 mm) or 1³/₄" (44 mm), when ordering reinforcement kits.

Reinforcement kit 37-001

Kit includes:

Reinforcement

A501-566 for 1³/₄" doors or
A501-565 for 1³/₈" doors



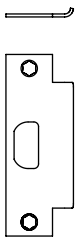
Strikes

All Schlage strikes are furnished complete with screws. The 10-025 standard AL Series strike has a 1³/₁₆" (30 mm) lip. Standard strikes shown in bold type.

ANSI strike – standard

10-025

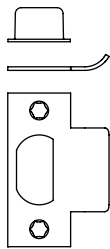
1¹/₄" x 4⁷/₈" x 3³/₃₂"
(32 mm x 124 mm x 2 mm)



T-Strike

10-001

1¹/₈" x 2³/₄" x 3³/₃₂"
(29 mm x 70 mm x 2 mm)



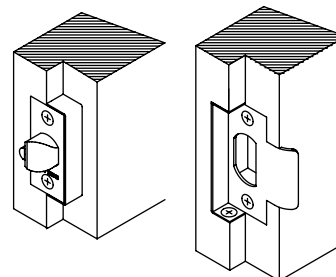
Strikes

Number	Lip length	Description
10-001	1", 1 ¹ / ₈ " (std), 1 ¹ / ₄ ", 1 ¹ / ₂ ", 1 ³ / ₄ ", 2" (25 mm, 29 mm, 32 mm, 38 mm, 44 mm, 51 mm)	1 ¹ / ₈ " x 2 ³ / ₄ " (29 mm x 70 mm) square corner, box, standard
10-004	1 ¹ / ₈ " (29 mm)	1 ¹ / ₈ " x 2 ³ / ₄ " (29 mm x 70 mm) 1 ¹ / ₈ " (3 mm) radius, round corner
10-025	1³/₁₆", 1³/₈" (30 mm, 35 mm)	1¹/₄" x 4⁷/₈" (32 mm x 124 mm) ANSI
10-026	1 ¹ / ₈ " (29 mm)	1 ⁵ / ₈ " x 2 ¹ / ₄ " (41 mm x 57 mm) full lip, square corner
10-027	1 ¹ / ₈ " (29 mm)	1 ⁵ / ₈ " x 2 ¹ / ₄ " (41 mm x 57 mm) full lip, 1 ¹ / ₄ " (6 mm) radius, round corner
10-058	1 ⁷ / ₃₂ " (31 mm)	1 ³ / ₄ " (44 mm) circular, adjustable
K510-066	—	Box for ANSI strike

*Use with 2³/₄" square corner strikes only.

Rabbeted latch and strike kit

Rabbeted latch and strike kit finishes: 606, 626. This kit adapts square corner latches and strikes for 1/2" (13 mm) rabbeted door and frame preparations.



Rabbeted latch and strike kit 39-030

Specifications

Handing:

Non-handed.

Door thickness:

1³/₈" to 1⁷/₈" (35 mm to 48 mm) standard.

2" (51 mm) optional.

Backset:

2³/₄" (70 mm) standard. 2³/₈" (60 mm), 3³/₄" (95 mm) and 5" (127 mm) optional.

Front:

Steel. 2¹/₄" x 1¹/₈" square corner, beveled, for 2³/₄" backset standard. Optional 1" square corner, 1" radius corner, and non-UL drive-in / round face. For availability with specific backsets, see page 16.

Lock chassis:

Steel, zinc dichromated for corrosion resistance

Latch bolt:

Brass, chrome plated, 1/2" throw, deadlocking on keyed and exterior functions.

Exposed trim:

Wrought brass and bronze. Levers are pressure cast zinc, plated to match finish symbols.

Strike:

ANSI curved lip strike 4⁷/₈" x 1¹/₄" x 1¹/₄" lip to center standard. Optional strikes, lip lengths and ANSI wrought strike box available. See page 17.

Cylinder and keys:

6-pin patented Everest 29 S123 keyway standard with two nickel silver keys per lock.

Keying options:

Interchangeable core and Primus® high security cylinders. Master keying, grand master keying, and construction keying.

Warranty:

Three-year limited

Certifications

ANSI:

Meets or exceeds A156.2 Series 4000, Grade 2 strength and operational requirements.

Meets A117.1 Accessibility Code.

Federal:

Meets FF-H-106C.

California State Reference Code:

(Formerly Title 19, California State Fire Marshal Standard)

All levers with a return to door of 1/2" (64 mm) or less comply.

UL / cUL:

All locks listed for A label single doors, 4' x 8'.

Letter F and UL symbol on latch front indicate listing.

UL437 Listed locking cylinder optional: specify Primus 20-500 Series cylinder.

ADA compliant:

Schlage Lock Company offers a wide selection of locks designed to meet the Americans With Disabilities Act.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 7,800 people and sells products in more than 120 countries across the world. Allegion comprises 23 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

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CUSTOM ROLLER SHADES

Starting at: \$92.95

★★★★★ 4.4 (13) [Write a review](#)

- Exceptionally versatile styles work well with traditional or modern interiors
- Available in a wide variety of fabrics, textures and prints
- Choose fabrics to screen, filter or completely block light
- Available in 71 fabrics; fits windows 6"-144" wide and 12"-120" tall

[Customize & Design](#)

[Where to Buy](#)



ROLLER SHADES - KENYA

1 Material



Bring your windows to life.

Your fabric choices have helped to customize the style of the room. Now it's time to add some innovative functionality to it. These carefree options empower you with the ability to further determine how and when light enters the room, as well as how you raise and lower the shade.



ELEGANT SHEERS

Elegant colors and textures that complement your home's décor.

Sheer fabrics filter direct, harsh sunlight and can provide a subtle backdrop or layer to your drapery.



PERFECT LIGHT CONTROL

Light Filtering fabrics allow light to softly filter into the room, and are ideal for rooms where you would like soft illumination, such as a dining room, living room or sunroom.

Room Darkening fabrics provide the perfect amount of light blocking and privacy for a bedroom, nursery and media room.

Blockout fabrics provide maximum light blocking.



SOLAR SCREENS

Solar Screens reduce glare and heat, without sacrificing the view.

Darker colors provide a more transparent view, while lighter colors provide more privacy.

All Roller Shade fabrics are also available in Panel Track for perfect coordination throughout your home.

Best for Kids



(/safety-center)

BEST FOR KIDS

For a Best for Kids certified product, make sure to select cordless control type.

Lift Options

LEVOLOR Roller Shades come standard with lift cords options and a cordless lift system as an upgrade.

CORDLESS LIFT SYSTEM

Offers a clean appearance, ease of use and peace of mind for homes with children and pets.



Valance Options

For a clean, sleek appearance that conceals the roller shade hardware, upgrade to a fabric covered valance, available in Standard or our new Cassette valance.

NONE

All roller shades are manufactured without a valance.

For a more finished look, we offer the standard valance or the cassette valance upgrade options.



STANDARD

Made in the same material as your shade, the standard valance lends a seamless and finished look to your roller shade.

For patterns where there are vertical lines, these lines will run horizontally in the valance.

For patterns where there are horizontal lines, these lines will run vertically in the valance.



CASSETTE

A cassette is an enclosed valance with a curved front panel, with a matching strip of material/fabric inserted across the face of the cassette.

The cassette comes in two sizes, determined by the size of the shade and the thickness of the fabric.

For patterns where there are vertical lines, these lines will run horizontally in the valance.

For patterns where there are horizontal lines, these lines will run vertically in the valance.

The color of the cassette is preselected to match your fabric.



shown in cordless

Decorative Scallops and Trims

The addition of scalloped hems with decorative trims or fringes is a creative way to add style to your shade. Scalloped hems add a tailored appearance - choose from 5 styles.

Trim or fringes outline the scallop - both available in 7 colors.

AVAILABLE SCALLOP STYLES



ADD A DECORATIVE TRIM



vanilla



white



gold



rose



black



cedar



gray



fringe

available in all colors.

No Charge Options

CLUTCH CONTROL SYSTEM

Allows perfect positioning of the shade at any height.

Eliminates stains and wear on the fabric.

Pull the stainless steel chain rather than the fabric.
Attach the chain guide to the window or wall for added safety.

REVERSE ROLL

Fabric is rolled so that it hangs off the front of the roll.

NOTE: Reverse roll is not available with the Cassette Valance option.

EXTENSION BRACKET

Available only on shades smaller than 60" x 70".

Pull Type Options



white



brown



black



grey

TASSELS

Color-coordinated tassels let you raise and lower your shade without touching the fabric. Colors are white, brown, black and grey (as shown above) and are pre-selected based on fabric and textures.



HANDLE

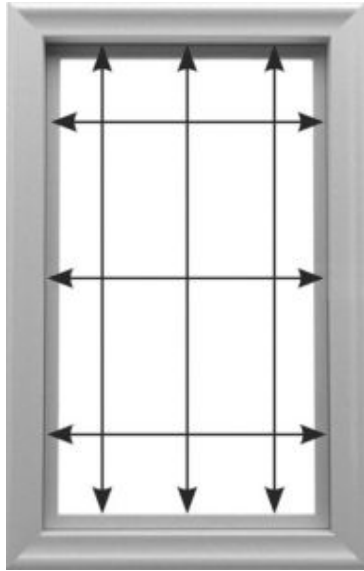
Transparent hem grip lets you raise and lower your shade without touching the fabric. Not available for scallop decorative hem.



NONE

Raise and lower your shade without tassels or the transparent handle.

How to Measure



MEASURING FOR INSIDE MOUNT ROLLER SHADES

Find Width:

Measure exact distance between inside surfaces of window frame at the top, middle, and bottom, and use the narrowest width.

Find Height:

Measure exact distance from inside surface at top of window to sill. If you prefer shade not to touch sill, deduct 1/4". If there is no sill, measure height to point where shade is to reach.

To install the product flush with the window frame, a minimum window depth of 3" is required.

tip-to-tip

Tip-to-Tip Measure is the common measure type for most roller shades. Choosing this measure type will include the headrail "pegs" that mount the shade to the wall or frame.



MEASURING FOR OUTSIDE MOUNT ROLLER SHADES

Find Width:

Measure exact distance between the outermost points where the shade is to be placed. This measurement should overlap each side of window frame by at least 1-1/2". Factory makes no deduction from your shade width dimensions.

Find Height:

Measure exact distance from where top of shade will be located to top of sill. If there is no sill or if shade is to overlap window frame, measure to point shade is to reach.

cloth-to-cloth

Cloth Measure is uncommon and should only be used for Outside Frame applications. The headrail is wider than the cloth of the shade which causes the "pegs" to extend beyond the width of the shade material. This total distance is 1-3/8" wide, or a gap of 11/16" on each side of the shade material.



Allow Some Overlap

For outside mount applications allow the shade to overlap 1-1/2" to 3" on the sides, top and bottom of the window.

You must add the overlap to your measurement; LEVOLOR does not add width or height for overlap on Outside Mounted shades.

How to Install Custom Roller Shades

Print Instructions

([//decor.scene7.com/is/content/DecorOnline/Levolor/support/install_files/CustomRollerShadeInst](http://decor.scene7.com/is/content/DecorOnline/Levolor/support/install_files/CustomRollerShadeInst)

Before you begin your installation:

READ ALL INSTALLATION INSTRUCTIONS!

Make sure that you have all tools and hardware needed for installation.

Check the installation surface (wall, ceiling, or window frame) to ensure that you have suitable fasteners and tools for the material.

Double check the headrail and shade for proper width and length. If you are installing several sets of shades, be sure to match them with the appropriate window.

Check the parts list shipped with the product to confirm that you have the correct number of brackets.

Do not remove the wrap on the roller until you have completed the installation. Leaving the shade rolled up completely will ease installation and reduce the risk of damage.

For standard roller shades, the fabric will hang off the BACK of the shade, closest to the window. For optional reverse roller shades, the fabric will hang off the front of the shade.

Be sure to note this when installing the mounting brackets.

Cassette Valances come attached to the shade. Standard Valances require some assembly.

Tools You May Need (not included):

Tape Measure

Level

Pencil

Flat-blade or Philips Head Screwdriver

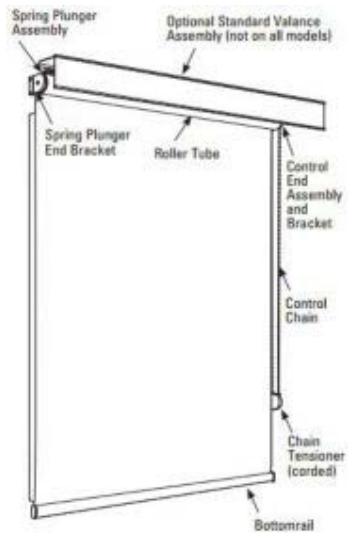
Drill with Bits (1/16" drill bit may be used to pre-drill pilot holes for screws)

Drywall Anchors

Safety glasses

Ladder

Key Parts

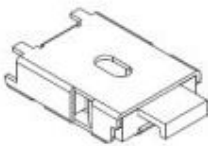


Mounting Brackets

Corded, No Cassette Valance



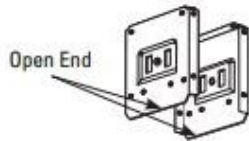
Cordless, No Cassette Valance



Cassette Valance



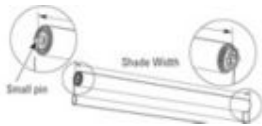
Mounting Brackets for Models with Fascia Type Valances



Step 1

Mark the bracket locations

Carefully measure the length of the shade from tip to tip. Deduct off approximately 1/4" for **corded** and 4" for **cordless** to ensure proper tensioning of the roller in the brackets.



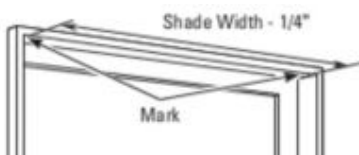
Make sure that there is enough clearance for the rolled up shade and that it will not rub or catch on the window, window frame or any obstructions when fully rolled up.

Mark this distance on the mounting surface at the desired bracket height so that it is centered in the window opening.

Outside Mount



Inside Mount



For outside mount installations, go to step 2A.

For inside mount installations, go to step 3A.

For cassette valance installations, go to step 4.

Step 2A

Install The Brackets - Outside Mount

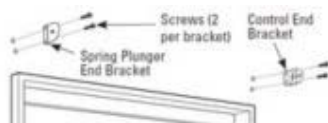
Align the notch on each bracket with the marks from Step 1 making sure they are square and spaced equally from the window.

IMPORTANT: Be sure to note the correct location of each bracket; the brackets are not interchangeable for corded.

Mark the bracket mounting hole locations.

Attach the brackets to the wall or window frame using suitable fasteners.

Corded Example: Installation on drywall using the included screws and drywall anchors (not included).



Step 2B

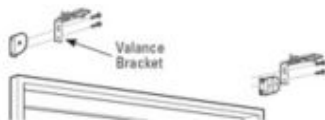
Install the valance brackets for outside-mount installations

NOTE: This step is for outside-mount installations using a standard valance ONLY.

Install the valance mounting brackets, spacing the brackets approximately 3" in from the shade brackets and making sure they are level. Any additional brackets should be spaced evenly between the ends.

Make sure there will be sufficient clearance between the roller shade and the valance.

Proceed to Step 5



Step 3A

Prepare the standard valance for inside-mount installations

NOTE: This step is for inside-mount installations using a standard valance ONLY.

Mark the inside surface of the valance top in the same way as described in Step 1 for inside mount.

Align the notch on each bracket with the marks, making sure they are square and equally spaced from the front of the valance.

IMPORTANT: Be sure to note the correct location of each bracket; the brackets are not interchangeable for corded.

Mark the bracket mounting hole locations (use of the slotted holes in the brackets is recommended).

Carefully drill a through-hole in the valance top at each marked bracket hole location



Step 3B

Install the brackets— inside mount

Align the notch on each bracket with the marks, from Step 1 making sure they are square and spaced equally from the window.

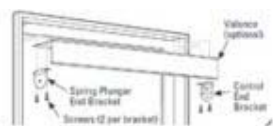
IMPORTANT: Be sure to note the correct location of each bracket; the brackets are not interchangeable for corded.

Mark the bracket mounting hole locations.

Attach the brackets to the wall or window frame using suitable fasteners. If you are installing a valance, install it between the brackets and the mounting surface using the through-holes drilled in Step 3A.

Proceed to Step 5

Corded Example: Installation on a wood window frame using the included screws and optional valance



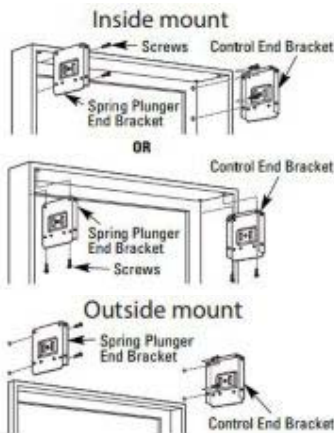
Step 3C

Special instructions for Fascia-Type Valance

This step is for installing roller shades with fascia-type valances only. For all other installations, please proceed to Step 4A.

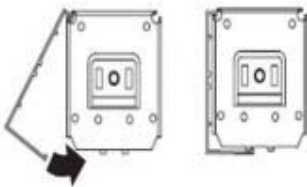
Align the shade mounting surface (the raised center portion) of each bracket with the marks, making sure each bracket is square and level.

IMPORTANT: Be sure to note the correct location and orientation of each bracket. The brackets are not interchangeable, and the open side must face down.



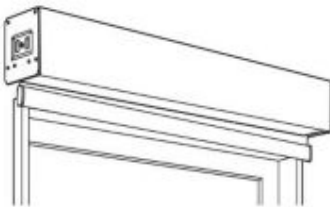
Mark the bracket mounting hole locations, two per bracket.

Attach the brackets to the wall or window frame using suitable fasteners two per bracket.



Hook the top lip of the valance over the tab on the front of the brackets.

Rotate the valance down toward the window until the valance clicks into place on the tab on the bottom of the tensioner bracket.



Step 4A

Special instructions for cassette valances

Mount the brackets to the wall or window frame, with the outside brackets no further than 2 inches (50 mm) from the ends of the headrail. On wide shades, space the additional bracket(s) at equal intervals

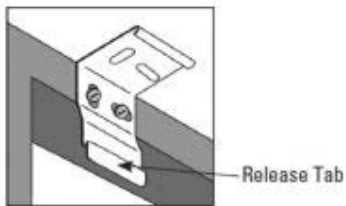
NOTE: Bracket is determined by shade size

CASSETTE 80 — Outside Mount

Locate the rear bracket holes.

Make sure the release tab is always mounted on the bottom.

Proceed to step 4B.

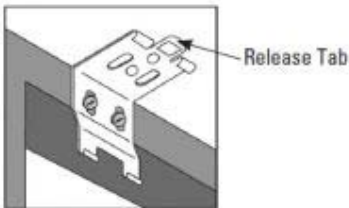


CASSETTE 120 — Outside Mount

Locate the rear bracket holes.

Make sure the release tab is always mounted on the top.

Proceed to step 4B.

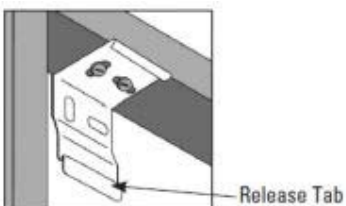


CASSETTE 80 — Inside Mount

Locate the top bracket holes.

Make sure the release tab is always mounted on the bottom.

Proceed to step 4B.

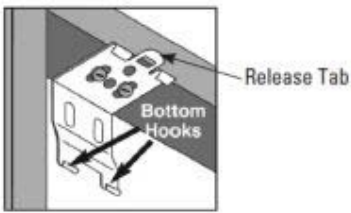


CASSETTE 120 — Inside Mount

Locate the top bracket holes.

Make sure the release tab is always mounted on the top.

Proceed to step 4B.



Step 4B

Special instructions for installing the roller shade headrail on cassette valance brackets

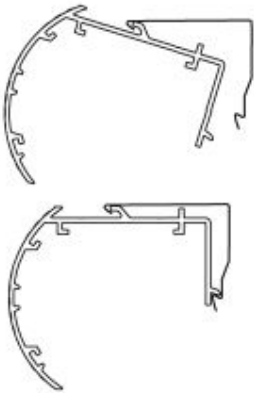
NOTE: Cassette valance size is determined by shade size.

CASSETTE 80

Position the headrail with the front panel resting on the top lip of all brackets.

Push the bottom front of the headrail firmly backwards and toward the window until the lip on the rear of the headrail engages the bracket and snaps into place.

Proceed to step 7.

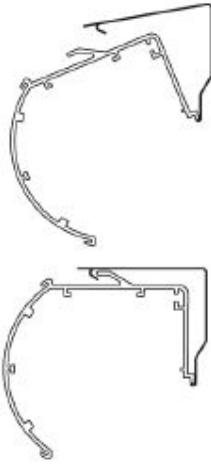


CASSETTE 120

Position the headrail with the back panel resting on both bottom hooks of all brackets.

Push the front of the headrail firmly upwards and toward the window until the groove at the top of the headrail snaps into place.

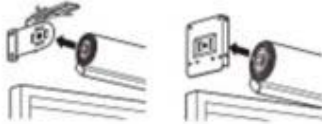
Proceed to step 7.



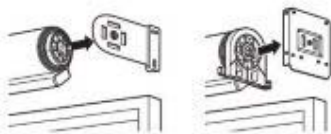
Step 5

Install the roller shade on the corded brackets

Insert the pin on spring plunger into the hole on the bracket and press the shade into the bracket, depressing the plunger.

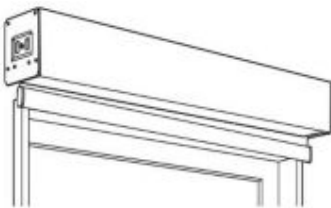


Align the T-shaped holes in the control-end bracket with the tabs on the control end of the roller and the hook pointing down, as shown. Press down to lock the center hook into place.



If your roller shade includes bracket cover caps, press them onto the brackets as shown below.

Specialty option for outside mount shades, chosen at time of purchase.



cordless brackets

Push the clear tab on the bracket and pop the headrail in.
Remove the shipping wrapper from around the roller.



For outside mount standard valances, go to step 6.

Otherwise go to step 7.

Step 6A

Install outside mount valances (not for all models)

If your valance does not include returns, skip to 6B

For valances with wraparound returns:

Remove the tape from the fabric on the back of the valance and make sure the fabric extends equally on either end of the valance.

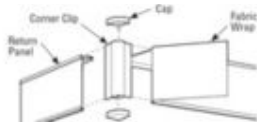
Slide the corner clip onto a return panel. The tab will fit into the channels on the back of the return panel.

Slide the assembled return panel onto one end of the valance. The tab will fit into the channels on the back of the valance, and the valance top will fit into the channel on the top of the return panel.

Wrap the fabric around the end of the return panel.

Press the caps into place.

Repeat for the other end. Once both returns are installed, pull the fabric taut to remove wrinkles and secure to the backs of the returns with masking tape

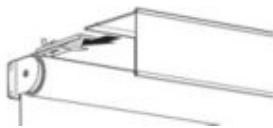


Step 6B

Install outside mount valances (for models without returns)

Attaching the valance to the valance brackets

Centering the valance over the roller shade, slide the top of the front valance panel into the valance clips until it locks into place. You can adjust the valance spacing from the wall by loosening the wingnuts on the valance brackets.



Step 7

Attach the tension device (corded only)

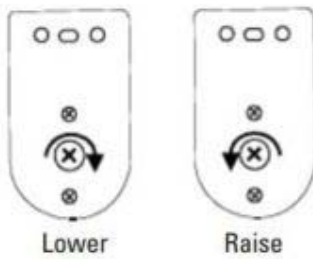
Refer to instructions in the hold-down tension device.



Step 8

Adjust bottomrail stop (cordless only)

With the shade fully retracted, use a flat head screwdriver to adjust the bottomrail to desired height. *IMPORTANT: Make the adjustment on the right side for standard roll and left side for reverse roll.



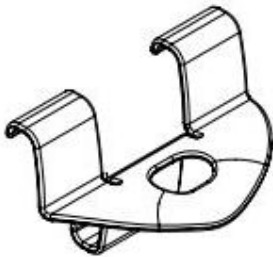
Step 9

Install Cordless bottom rail handle (cordless control only)

Locate the clear, cordless bottom rail handle that arrived with your shade.

Insert the front lip of the bottom rail handle into the top of the bottom rail of the shade.

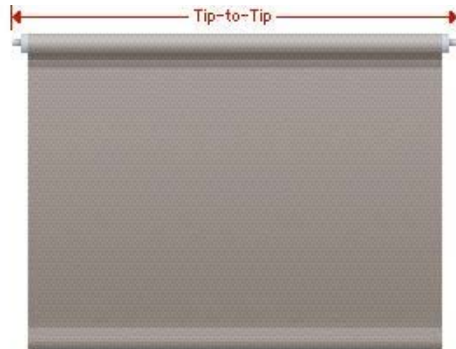
The handle will snap into place.



Roller Shades Guide

MEASURING TYPES

Tip-to-Tip



Tip-to-Tip Measure is the common measure type for most roller shades. Choosing this measure type will include the headrail "pegs" that mount the shade to the wall or frame.

Cloth-to-Cloth



Cloth Measure is uncommon and should only be used for Outside Frame applications. The headrail is wider than the cloth of the shade which causes the "pegs" to extend beyond the width of the shade material. This total distance is 1-3/8" wide, or a gap of 11/16" on each side of the shade material.

NOTE: For outside mount applications allow the blind to overlap 1-1/2" to 3" on the sides, top and bottom of the window. You must add the overlap to your measurement; LEVOLOR does not add width or height for overlap on Outside Mounted shades.

CRITICAL DIMENSIONS

Cordloop

Cordloop length is 3/4 the length of the shade, unless otherwise specified.

Scalloped Option

Scalloped hem adds approximately 4" to the length of the roller shade and does not roll up into the shade.

Specifications and Deductions

Width		Length		Tolerances	
Minimum	Maximum	Minimum	Maximum	Width	Length
6"	144"	12"	120"	1/16"	1/2"

Fabric Width Reduction	Control Options	Universal Brackets	Extension Brackets
Up to 1-1/8"	Left or Right	Yes	1-1/8"

Mounting Depths and Deductions

	No Valance	Standard Valance	Cassette Valance
Minimum Installation Depth	3"	3"	3"
Flush Mount Installation Depth	3-1/2"	3-1/2"	3-3/4"
Fabric Width Deductions	1-1/8"	1-1/8"	1-1/2"
Width Tolerances	1/16"	1/16"	1/16"
Length Tolerances	1/2"	1/2"	1/2"

Valance Height	N/A	3-1/2"	Sm - 2-1/2" Lg - 4-1/16"
Extension Bracket	1-1/8"	1-1/8"	N/A

Standard Factory Deductions from Ordered Width

	Cordless	Corded
Inside Mount	Up to 1-1/8"	Up to 1-1/2"
Outside Mount - Tip to Tip	Up to 3/4"	Up to 1"

RECOMMENDED CLEANING METHODS

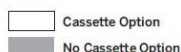
Care Instructions

A brush-type vacuum attachment or feather duster should be used for cleaning. If your shade should become stained, you may clean it by dabbing the spot with a sponge dampened with lukewarm water. Avoid contact with window cleaning products as these may discolor your shade. Ultrasonic cleaning is not recommended or covered by our warranty.

Color Variation and Fabric Repeat Information

Color lot variations may occur due to the process of color application. For the best color match, order all shades for a room at the same time. Pattern availability and color lot match between orders cannot be assured. Any variation in color is in accordance with industry standards.

Cassette Limitations



Width to 36"	42"	48"	54"	64"	72"	78"	84"	96"	108"	120"	132"	144"	
Height to 36"													
42"													
48"													
54"													
60"													
66"													
72"													
78"													
84"													
96"													
108"													
120"													

Applies to Collections
 Designer Textures
 Confetti
 Sheer Stria
 Watermark

Price Group
 A + B
 C
 D
 D

Width to 36"	42"	48"	54"	64"	72"	78"	84"	96"	108"	120"	132"	144"	
Height to 36"													
42"													
48"													
54"													
60"													
66"													
72"													
78"													
84"													
96"													
108"													
120"													

Applies to Collections
 Boucle Stripe
 Solar Screen 10
 Solar Screen 5
 Solar Screen Tweed
 Contemporary Blockout
 Meditation Metallic Print
 Sheer Infinity
 Tropical Metallic Print

Price Group
 B
 B
 B
 C
 D
 D
 D
 D

Width to 36"	42"	48"	54"	64"	72"	78"	84"	96"	108"	120"	132"	144"	
Height to 36"													
42"													
48"													
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72"													
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84"													
96"													
108"													
120"													

Applies to Collections
 Solar Screen 3
 Lemongrass Stripe
 Solar Screen Seed Stitch
 Solar Screen Tides
 Tweed Rattan
 Woven Screen
 Solar Screen Grasses
 Solar Screen Herringbone
 Pleated Sheer

Price Group
 B
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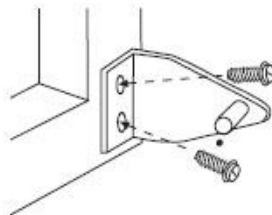
NOTE: Cassette option not available with reverse roll.

Hold-Down Brackets

Hold-Down Brackets are available for securing the bottomrail in position

These brackets can stop a shade from bouncing and loosely swinging if the shade is hung on a door

Available only on outside mount



Extension Brackets

Extension brackets are available for outside mount shades

When the shade must operate around an obstruction, these brackets project the shade away from the wall, allowing easy operation

Not available with hold-down brackets

Available only on shades smaller than 60" x 70"

Bracket Projection: 2" (fixed)

LEVOLOR® LIMITED LIFETIME WARRANTY FOR CUSTOM BLINDS AND SHADES

WARRANTY COVERAGE

WHAT IS COVERED

LEVOLOR extends a limited lifetime warranty on the enclosed product to the original residential retail purchaser only if the product was properly installed and remains in the original window.

The product is covered against manufacturing defects (i. e., a flaw in the product design, materials or workmanship that causes the product to no longer function) and has a limited lifetime warranty. Lifetime warranty extends for the life of the product as defined by category below:

Product	From Date of Manufacture
Accordia™ Cellular Shades	10 years
Roman Shades	10 years
Roller Shades	10 years
Natural Shades	10 years
Panel Track Shades	10 years
Real Wood Blinds	10 years
Faux Wood Blinds	10 years
Metal Blinds	10 years
Textured Blinds	3 years
Vertical Blinds	10 years (with the exception of vertical vinyl vanes)
Vertical Vinyl Vanes	3 years

WHAT IS NOT COVERED

Normal wear and tear

Any product that fails due to:

- abuse
- accident
- alterations
- damage from pets/insects
- exposure to salt air
- extraordinary use
- improper cleaning
- improper handling
- improper installation
- improper operation
- misapplication
- misuse

Any product that, with the passage of time, exhibits:

- loss of color intensity (including, but not limited to fabric, plastic parts, and wood finishes)
- loss of pleating if product is not held in raised position a portion of the time
- yellowing or cracking of plastic parts or faux wood product
- creeping, sagging, or billowing of cordless product that is not properly raised and lowered daily

Natural material (including, but not limited to wood, grass, jute, reeds) products that have:

- variation in color, grain, or texture
- warping or cracking of wood slats in high-humidity and/or in high-heat areas

Costs associated with:

- product removal
- product remeasure
- product reinstallation
- transportation to and from the retailer
- incidental or consequential damages

- shipping
- brand label removal

In the event there are multiple blinds/shades in the same room, only the defective blind/shade will be replaced.

TO REPORT SHIPPING DAMAGE

If damage occurred during shipping, call 1-800-538-6567 and report within 14 calendar days of delivery or you may be denied credit for your damaged product.

TO OBTAIN SERVICE

For online product-specific trouble shooting information, refer to **www.LEVOLOR.com**. ([//www.levolor.com](http://www.levolor.com)) If you suspect this LEVOLOR product has a manufacturing defect in materials or workmanship:

1. Locate the sales receipt (proof of purchase)
2. Call 1-800-538-6567

Any unauthorized returns will not be accepted.

WARRANTY REMEDY

THIS SHALL BE YOUR SOLE REMEDY UNDER THIS LIMITED WARRANTY

If this LEVOLOR product is found to have a manufacturing defect in materials or workmanship, we will (at our discretion) do one of the following:

- repair the product
- replace the product
- refund the cost of the product

Colors vary from lot to lot and may not exactly match sample swatch or previous purchases

Discontinued items or color selections will be replaced with the closest equivalent current product

YOUR RIGHTS UNDER STATE OR PROVINCIAL LAW

This limited lifetime warranty gives you specific legal rights, and you may have other rights, which vary from state to state/province to province. Some states/provinces do not allow limitations on how long a warranty lasts, so the above limitations may not apply to you.

No agent, representative, dealer, or unauthorized employee has the authority to increase or alter the obligation of this warranty. This limited lifetime warranty supersedes any previous versions.

PRINT AND SAVE THIS WARRANTY CARD WITH YOUR PROOF OF PURCHASE

([//decor.scene7.com/is/content/DecorOnline/Warranty/Levolor_Warranty_Card.pdf](http://decor.scene7.com/is/content/DecorOnline/Warranty/Levolor_Warranty_Card.pdf))

PRICING MATRIX

WINDOW AND DOOR			
Product Description		UOM	Price
Blinds	Aluminum Blinds 1-56 Sq Ft	Each	\$995.50
Blinds	Aluminum Blinds 57-113 Sq Ft	SF	\$10.75
Blinds	Aluminum Blinds 114-168 Sq Ft	SF	\$8.25
Blinds	Vertical Blinds 1-190 Sq Ft	SF	\$34.25
Blinds	Faux Wood Blinds 1-100 Sq Ft	SF	\$21.50
Blinds	Wood Blinds 1-50 Sq Ft	SF	\$47.50
Blinds	Wood Blinds 51-100 Sq Ft	SF	\$39.75
Blinds	Solar Power 1-40 Sq Ft	SF	\$59.75
Blinds	Solar Power 41-80 Sq Ft	SF	\$39.75
Blinds	Solar Power 81-120 Sq Ft	SF	\$27.25
3M Commercial Window Film	Sun Control Commercial Window Film	SF	\$7.25
3M Commercial Window Film	Safety & Security Commercial Window Film	SF	\$17.25
3M Commercial Window Film	Daylighting Commercial Window Film	SF	\$13.50
3M Commercial Window Film	Decorative Commercial Window Film	SF	\$27.25
Locksets	Rose - Entrance/Office (Stain Stainless Steel)	Each	\$1,015.50
Locksets	Rose - Passage (Satin Stainless Steel)	Each	\$795.50
Locksets	Rose - Privacy (Satin Stainless Steel)	Each	\$995.50
Locksets	Rose - Classroom (Satin Stainless Steel)	Each	\$1,015.50

PRICING MATRIX

WINDOW AND DOOR			
Product Description		UOM	Price
Locksets	Rose - Classroom Intruder (Satin Stainless Steel)	Each	\$1,215.50
Locksets	Rose - Storeroom (Satin Stainless Steel)	Each	\$1,015.50
Locksets	Eschutcheon - Entrance/Office (Satin Chrome)	Each	\$1,005.50
Locksets	Eschutcheon - Passage (Satin Chrome)	Each	\$825.50
Locksets	Eschutcheon - Privacy (Satin Chromel)	Each	\$1,005.50
Locksets	Eschutcheon - Classroom (Satin Chrome)	Each	\$1,015.50
Locksets	Eschutcheon - Classroom Intruder (Satin Chrome)	Each	\$1,215.50
Locksets	Eschutcheon - Storeroom (Satin Chrome)	Each	\$1,015.50
Locksets	Rose - Entrance/Office (Satin Chrome)	Each	\$1,190.71
Locksets	Rose - Passage (Satin Chrome)	Each	\$995.50
Locksets	Rose - Privacy (Satin Chromel)	Each	\$1,350.50
Locksets	Rose - Classroom (Satin Chromel)	Each	\$1,390.50
Locksets	Rose - Classroom Intruder (Satin Chrome)	Each	\$1,540.50
Locksets	Rose - Storeroom (Satin Chrome)	Each	\$1,390.50
Ancillary Application	Window Treatment Installation	Hour	\$120.00
Ancillary Application	Window Installation	Unit	\$750.00
Ancillary Application	Door Installation	Unit	\$950.00
Ancillary Application	Finish Carpenter	Hour	\$110.00

SPECIFICATIONS/ PRICING MATRIX

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3M™ Nomad™ Heavy Traffic Carpet Matting 8850

Dual-fiber carpet matting for indoor applications



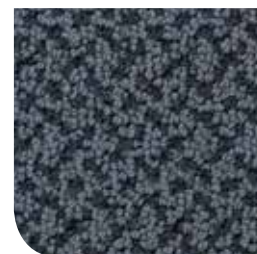
CleanZones™ — 2, 3

Designed for HEAVY traffic conditions Up to 1,000,000 people/year

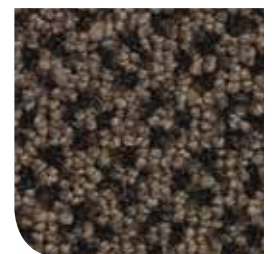
- Combines nylon fibers for drying and polypropylene fibers for superior scraping
- Dual-fiber and random pattern hide salt, dirt and debris until it can be removed
- Solution-dyed fibers resist fading and staining and keep the mat looking good longer
- Flexion vinyl backing will not stain floor and prevents dirt and moisture from reaching the floor
- Low profile allows foot, cart and wheelchair traffic to move easily over the mat



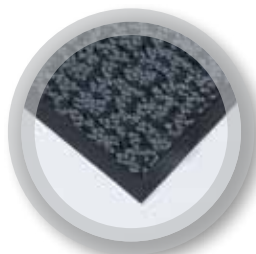
Black



Sterling



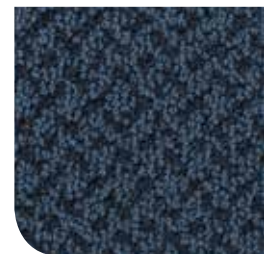
Dark Brown



Standard Edging
4-sided factory edge
on all standard sizes



Custom Edging
4-sided premium high-
traffic wide cove nosing



Navy

PRODUCT SPECIFICATIONS

Roll Sizes

3', 4', 6' x 60'

Standard Mat Sizes

3' x 5', 3' x 10', 4' x 6', 4' x 10', 6' x 10'

Semi-Custom Sizes

3', 4' and 6' widths x custom lengths up to 60'

Custom Sizes

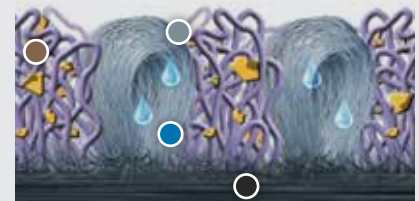
Any width x any length

See custom edging options on page 30

Warranty

1 year: replacement

- Loops arranged in random patterns hide more soil
- Large fibers remove dirt
- Small fibers absorb excess water
- Flexion vinyl backing protects floors from dirt and helps reduce mat movement



Easy to Clean
Vacuum and periodic extraction

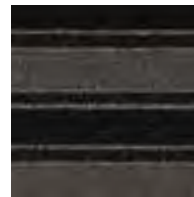
LEGACY

FEATURES	ZONES	1	2	3	4
<p>Patented hybrid product installs like a carpet and performs like a foot grille</p> <p>Can be cut to measure in any direction without fraying</p> <p>Combines top-of-the-line fibers that both scrape dirt and absorb moisture</p> <p>Inserts integrate with a variety of design schemes</p> <p>Common Uses—high traffic vestibules and foyers in retail stores, malls, office buildings, sports facilities, hotels, schools</p>					
SPECIFICATIONS 					
Material Polypropylene Base Grid and Premium Polyamide Nylon Fibers (6.6) with 5.63% post-consumer recycled content		Weight 103 oz/sq yd			
Backing Anti-slip rubber		Thickness 9/16"			
Size 6' 7" x 65' 5" – to accommodate rib repeat in multiple applications, figure material at 6' 5"		Pattern Repeat			
Custom Sizes 6' 7" width x lengths to 65' 5"		Recommended Installation Loose lay–Ultra Flex Nosing Glue down–Mats Inc. Multi-Bond Adhesive			
		Custom Colors Other non-stocking colors available; minimums may apply			
POSSIBLE LEED V 2009 CREDITS					
MR Credit 4 (1-2 points)		IEQ Credit 4.1 (1 point) IEQ Credit 5 (1 point)			
POSSIBLE LEED V 4 CREDITS					
MR Sourcing of Raw Materials (up to 2 points) IEQ Enhanced Indoor Air Quality Strategies (up to 2 points) IEQ Low-Emitting Materials (up to 3 points)					

ROLL WIDTH	ROLL LENGTH
6' 7"	65' 5"



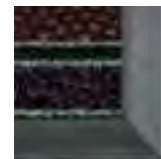
Cool Gray



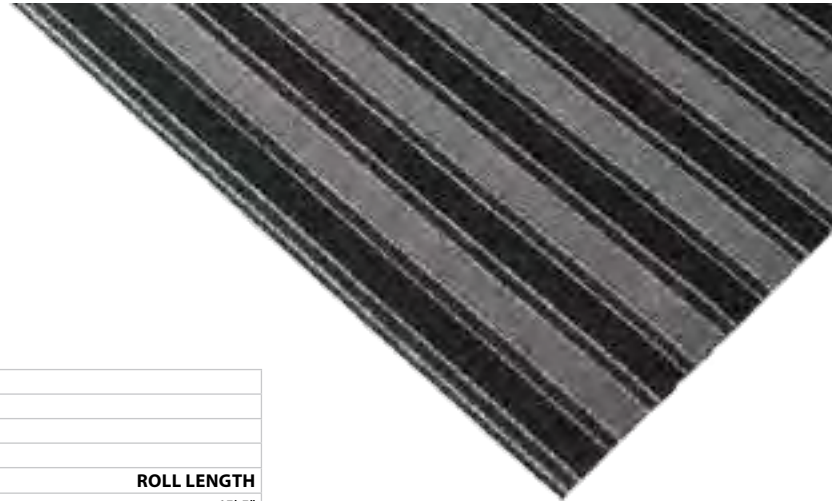
Bright Carbon



Fall Brown



Ultra-Flex Nosing



SOLIRIS™

Remarkable slip resistance in wet areas with heavy traffic

FEATURES	ZONES	1	2	3	4
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Vibrant flooring that provides slip resistance, beauty and comfort for barefoot and soft-soled foot traffic in areas where topical water is present

The brilliant color palette can be used to create bold designs or custom logos

UV and chlorine resistant for a long-lasting, easy-to-maintain appearance

Can be loose-layed and used as a mat

Common Uses—poolside, water parks, showers, locker rooms, hydrotherapy rooms

SPECIFICATIONS

Material

Sheet vinyl with 16.5% recycled content

Roll Sizes

6' x 66'

Thickness

2.9mm (~1/8")

Custom Sizes

6' width x custom lengths up to 66'

Weight

0.63 lbs/sq ft

Critical Radiant Flux (ASTM E648)

Class 1

Slip Resistance (ASTM D2047)

0.93 dry, 0.80 wet

Chemical Resistance (ASTM F925)

No Change

POSSIBLE LEED V 2009 CREDITS

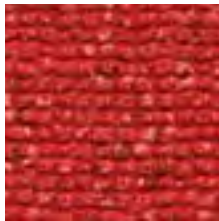
MR Credit 4 (1-2 points)

POSSIBLE LEED V 4 CREDITS

MR Sourcing of Raw Materials (up to 2 points)



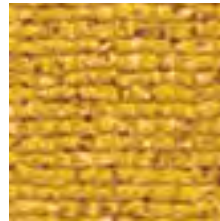
Pink



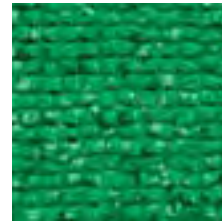
Red



Orange



Yellow



Meadow Green



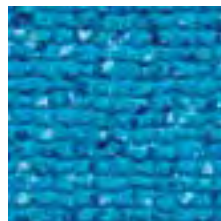
Gator Green



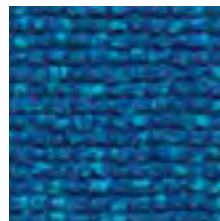
Evergreen



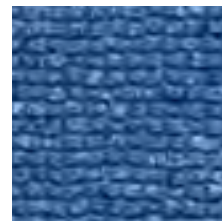
Turquoise



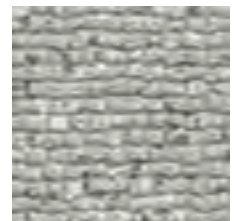
Aqua



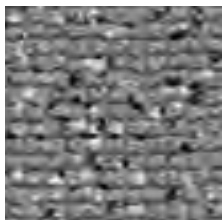
Royal Blue



Periwinkle



Gray



Dark Gray



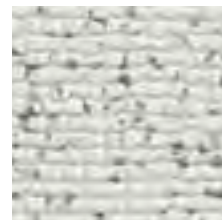
Sand



Gravel



Black



White

SPECIFICATIONS

DROPZONE

Droptile

Droptile is an elevated rubber tile system that is designed for comfort, impact noise reduction, and durability. It is ideal for areas where free weights and heavy exercise equipment are common.



Warranty Protection

- 15-year comprehensive product coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts

- For environmental facts, visit: tarkettportsindoor.com/en/specs-and-data/environmental-fact-sheets.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Method

- Hidden Dowel Locking System: Each Droptile is connected using a hidden dowel system, fastening each tile together. This method of installation creates a seamless visual effect and secures each tile. Since Droptile has a 1" thickness, profile reducers are used on the edges of the installation to transition to lower profile areas. No adhesive is required in installation, however the system can be adhered if desired.

Technical Characteristics

Property	Standard	Value
Reaction to Fire	ASTM E648	Passed (Radiant Panel)
Slip Resistance	ASTM D2047	> 0.9
Tensile Strength	ASTM D412	200 psi
Impact Insulation	ASTM E492-04	49
Sound Transmission	ASTM E413	51
Noise Reduction	ASTM C423	0.10 Sabine Per Square Foot
Taber Abrasion	ASTM D3389	Maximum 0.1 mg per cycle
Static Load	ASTM F970 (modified)	400 psi
Elongation	ASTM D412	40%
Flexibility	ASTM F137	Pass 1/4" Mandrel
Wear Surface Material	—	Rubber/EPDM Rubber
Base Layer Material	—	Natural, SBR Blend, and Recycled Rubber
Surface Texture	—	Slight (Slip Resistant)
Thickness	—	1"
Tile Dimensions	—	24" x 24"
Weight	—	19.5 kg/m ² (4 lbs./sq. ft.)
Profile Reducer Dimensions	—	48" x 4" x 1"

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

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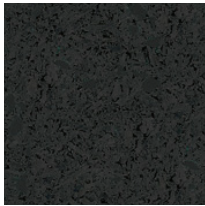


THE ULTIMATE
SURFACE EXPERIENCE

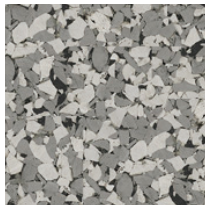
11/11/15



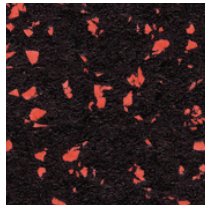
Available Colors for Droptile



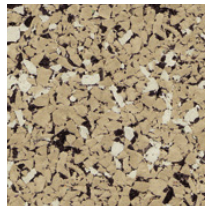
Black DZ00



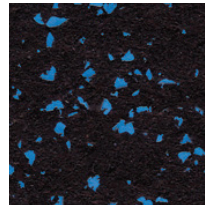
Steel DZ15



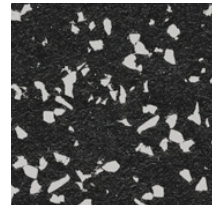
Fire Fly DZ47



Desert DZ43



Deep Ocean DZ45



Smoke DZ46

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.

SPECIFICATIONS

DROPZONE

8 mm

Dropzone is an 8 mm rubber surface made from 92% recycled content. It is intended for weight room and fitness areas and is available in rolls, square-edge tiles, and interlocking tiles.



Warranty Protection

- 3-year comprehensive product coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts

- For environmental facts, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- Full Adhesive:** full glue installation using Tarkett's solvent-free Multi-Poxy adhesive over the entire surface area (moisture tolerance: 92% RH per ASTM F2170)
- Tarkolay:** installation over Tarkolay moisture barrier (moisture tolerance: 98% RH per ASTM F2170). This method is only available for rolled material.
- Interlocking Tile:** installation without adhesive using interlocking tiles

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Technical Characteristics

Property	Standard	Value
Slip Resistance	ASTM D2047	> 0.9
Tensile Strength	ASTM D412	200 psi
Impact Insulation	ASTM E492-04	54
Sound Transmission	ASTM E413-04	54
Noise Reduction	ASTM C423-08a	0.1
Static Load Tolerance	ASTM F970 (modified)	400 psi
Elongation	ASTM D412	75%
Flexibility	ASTM F137	Passed
CA Section 01350 Compliance	ASTM D5116	Passed
Chemical Resistance	ASTM F925	Excellent
Surface Texture	—	Slight
Thickness	—	8 mm (0.315")
Interlocking Tile Dimensions	—	24" x 24", 23" x 23"
Square-Edge Tile Dimensions	—	36" x 36", 24" x 24"
Standard Roll Dimensions	—	4' x 30'
Weight	—	8.4 kg/m ² (1.73 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.



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08/26/14

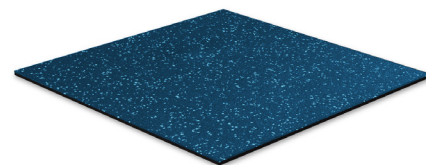
TAB C-Flooring
601

SPECIFICATIONS

DROPZONE

Comfort 14.5 mm

Dropzone Comfort 14.5 mm is a rubber surface with EPDM color chips that is intended for walking/jogging tracks and other fitness applications. It is designed for durability and comfort.



Warranty Protection

- 3-year comprehensive product coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts

- For environmental facts, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- Full Adhesive: full glue installation using Tarkett's solvent-free Multi-Poxy adhesive over the entire surface area (moisture tolerance: 92% RH per ASTM F2170)
- Tarkolay: installation over Tarkolay moisture barrier (moisture tolerance: 98% RH per ASTM F2170).

Technical Characteristics

Property	Standard	Value
Slip Resistance	ASTM D2047	> 0.9
Tensile Strength	ASTM D412	200 psi
Impact Insulation	ASTM E492-04	54
Sound Transmission	ASTM E413-04	54
Noise Reduction	ASTM C423-08a	0.1
Static Load Tolerance	ASTM F970 (modified)	0.009" (Typical)
Thermal Conductivity	ASTM C518	> 0.4
Color Stability	ASTM F1515	Good
CA Section 01350 Compliance	ASTM D5116	Passed
Chemical Resistance	ASTM F925	Good
Surface Texture	—	Slight
Total Thickness	—	14.5 mm (0.571")
Surface Thickness	—	2.5 mm (0.098")
Cushion Thickness	—	12 mm (0.472")
Roll Length	—	25' to 100'
Roll Width	—	4' (± 0.75")
Weight	—	11.4 kg/m ² (2.34 lbs./sq.ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

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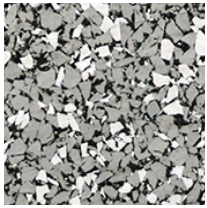


THE ULTIMATE
SURFACE EXPERIENCE

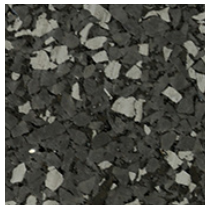
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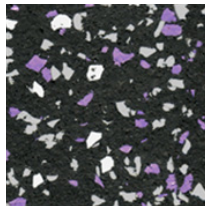
Available Colors for Dropzone Comfort 14.5 mm



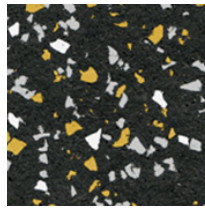
Steel DZ15



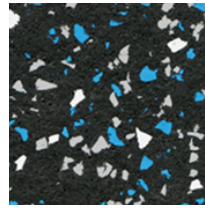
Dark Grey DZ502



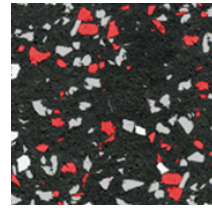
Purple DZ101



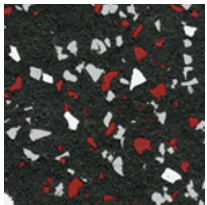
Gold Mix DZ102



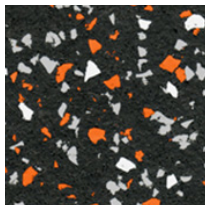
Sky Blue DZ103



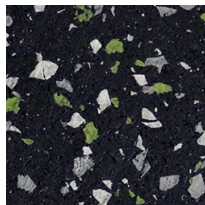
Red DZ104



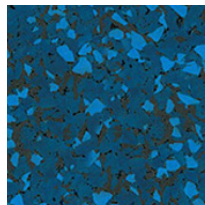
Dark Red DZ105



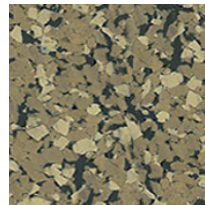
Orange DZ106



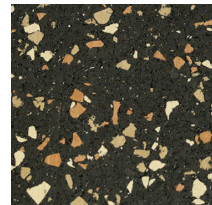
Green DZ107



Cobalt Blue DZ500



Desert DZ43



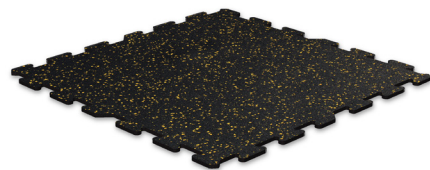
Sand DZ100

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.

SPECIFICATIONS

DROPZONE Speckle

Dropzone Speckle is an 8 mm rubber surface with EPDM color chips that is intended for weight room and fitness areas. It is available in rolls, square-edge tiles, and interlocking tiles.



Warranty Protection

- 3-year comprehensive product coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts

- For environmental facts, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- Full Adhesive:** full glue installation using Tarkett's solvent-free Multi-Poxy adhesive over the entire surface area (moisture tolerance: 92% RH per ASTM F2170)
- Tarkolay:** installation over Tarkolay moisture barrier (moisture tolerance: 98% RH per ASTM F2170). This method is only available for rolled material.
- Interlocking Tile:** installation without adhesive using interlocking tiles

Technical Characteristics

Property	Standard	Value
Slip Resistance	ASTM D2047	> 0.9
Tensile Strength	ASTM D412	200 psi
Impact Insulation	ASTM E492-04	54
Sound Transmission	ASTM E413-04	54
Noise Reduction	ASTM C423-08a	0.1
Static Load Tolerance	ASTM F970 (modified)	400 psi
Elongation	ASTM D412	75%
Flexibility	ASTM F137	Passed
CA Section 01350 Compliance	ASTM D5116	Passed
Chemical Resistance	ASTM F925	Excellent
Surface Texture	—	Slight
Thickness	—	8 mm (0.315")
Interlocking Tile Dimensions	—	24" x 24", 23" x 23"
Square-Edge Tile Dimensions	—	36" x 36", 24" x 24"
Standard Roll Dimensions	—	4' x 30'
Weight	—	8.4 kg/m ² (1.73 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

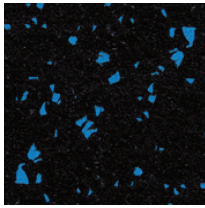
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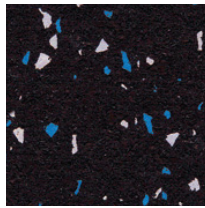
Available Colors for Dropzone Speckle



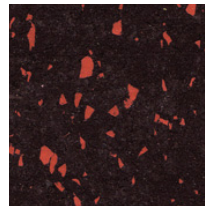
Blue DZ01



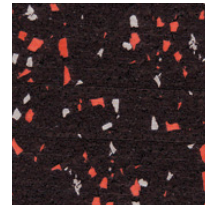
Grey DZ02



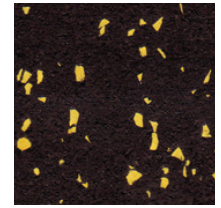
Blue Grey DZ04



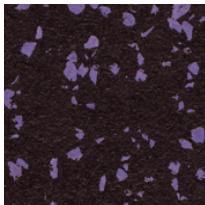
Fire Red DZ05



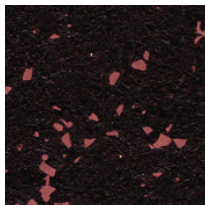
Ember DZ06



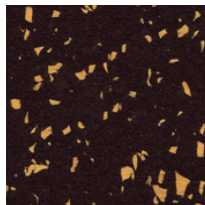
Yellow DZ07



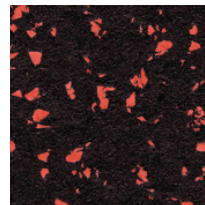
Plum DZ09



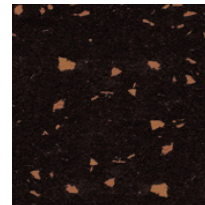
Burnt Red DZ21



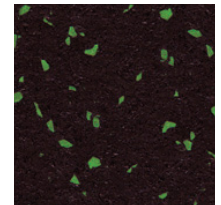
Gold DZ23



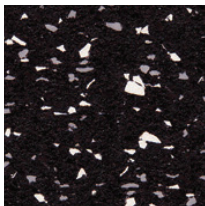
Fire Fly DZ47



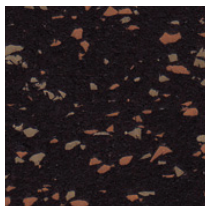
Earth DZ30



Field Green DZ32



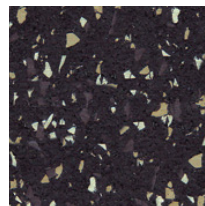
Glacier Grey DZ34



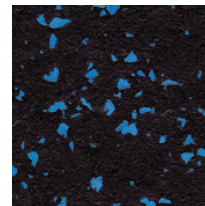
Gold Mine DZ36



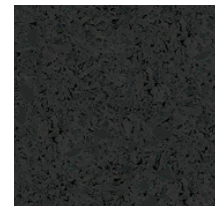
Cold Sweat DZ38



Training Ground DZ40



Deep Ocean DZ45



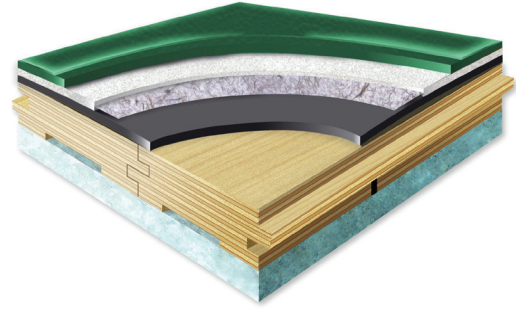
Black DZ00

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.

COMPACT

2.0 mm Lumaflex

Compact 2.0 mm with Lumaflex is a combination system incorporating the Compact surface, a tongue-and-groove layer of 18 mm birch plywood, and shock-absorbing foam.



Warranty Protection

- 10 year product coverage and 15 year wear layer coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettsportsindoor.com/en/specs-and-data/leed-information.

Maintenance Instructions

- For maintenance instructions, please refer to the Omnisports maintenance guide at the following link: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Foam Underlayment Options

- Lumaflex shock-absorbing foam underlayment has a height of 1/2". Layers of foam cushion can be stacked to meet almost any profile requirement.

Sports Characteristics

Property	Standard	Value
Surface Finish Effect	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 4
Vertical Deformation	ASTM F2772-11	Passed
Ball Rebound	ASTM F2772-11	Passed

Surface Layer Technical Characteristics

Property	Standard	Value
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Static Load Tolerance	ASTM F970 (modified)	200 psi
Wear Layer	EN 429	0.80 mm
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Stain Resistance	ASTM F925	Excellent
Roll Width	EN 426/EN 427	2 m (6.5')
Roll Length	EN 426/EN 427	26 m (85.3')
Thickness	EN 428/EN 429	2.0 mm (0.079")
Weight	EN 430	3.1 kg/m ² (0.64 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

SPECIFICATIONS



Available Colors for Compact 2.0 mm with Lumaflex



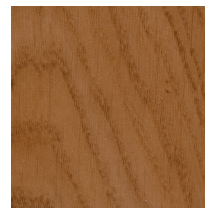
Beech[◇]



Golden Maple



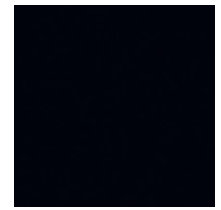
Classic Oak[◇]



Gunstock Oak[◇]



Grey



Black



Yellow



Orange



Red



Royal Blue



Sky Blue



Teal



Forest Green



Field Green



Grey Maple



Green Maple



Blue Maple



Red Maple

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
[◇]This pattern has a 3" wide plank. Other wood patterns have a width of 2 1/4".

SPECIFICATIONS

Contract *legend*

WARRANTIES

Residential:	Lifetime Limited Wear Warranty Lifetime Limited Structural Integrity Warranty Lifetime Limited Waterproof Warranty
Commercial:	15 Year Limited Wear Warranty

CERTIFICATION

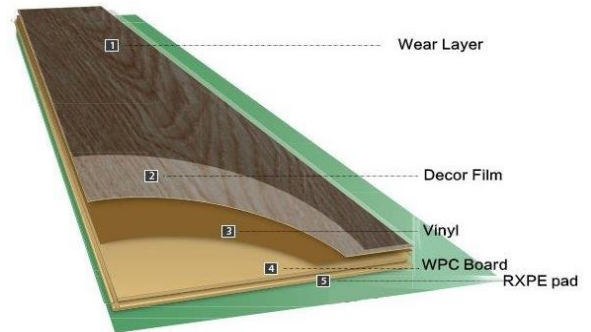
FloorScore Indoor Air Quality

INSTALLATION

Grade Level:	Above Grade On Grade Below Grade
Method:	Floating
Radiant Heated Floor:	Yes. Can be installed over radiant floor heating system.

SPECIFICATIONS

Construction:	UV Protective Coating 0.5 mm (20 mils) Virgin PVC Wear Layer Décor Layer 1.65 mm filled PVC Layer 4.0 mm WPC Core 1.5 mm EVA Foam Layer
Dimensions:	Thickness less underlayment - 6 mm Thickness with underlayment - 7.5 mm Width - 7 1/16 in. Length - 48 in.
Joint Locking:	Click Lock Valinge 2G
Surface Edging:	Micro beveled; all sides
Surface Texture:	Hand-Scraped; Embossed; Distressed
Gloss:	6-10°



PACKAGING

Planks per case:	10 planks
Coverage per case:	23.64 sq. ft.
Pallet dimension:	43.25 in. H x 40.5 in. W x 49.125 in. D
Cases per pallet:	60 cases

PERFORMANCE

Sound Transmission Class:	STC = 69db	ASTM E413-10
Coefficient of Friction:	Dry: 0.82; Wet: 0.98	ASTM D2047-04 (James Machine)
Chemical Resistance:	No Effect (Class 0)	EN423
Abrasion Resistance:	Class P	EN660-2
Colorfastness to Light:	Above Grade 6	EN ISO 10502
Critical Radiant Flux:	Class 1	ASTM E648 & NFPA 253 & FTM 372
Falling Ball:	0.015 in	ASTM D2394
Static Load:	0.006 in. @ 500 lbs.	ASTM F970

COMPLIANCE

CA Section 01350:	Compliant
CA Proposition 65:	Compliant

SPECIFICATIONS



• PRODUCT NAME

ECO-GRIP® SLIP RESISTANT SAFETY FLOORING

1. MANUFACTURING

Allied Industries International, Inc. 1088 Old Gaffney Hwy, Jonesville, SC 29353
Phone: (864) 674-0018 Fax: (864) 674-0019

2. PRODUCT DESCRIPTION

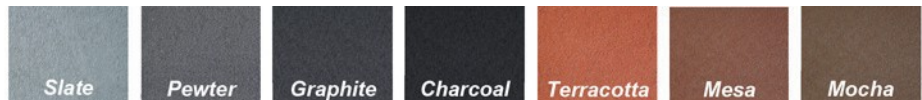
Eco-Grip® Slip Resistant Safety Flooring is 1/4" thick recycled poly vinyl chloride material flooring designed for slip resistance. Eco-Grip® Slip Resistant Safety Flooring provides superior shock absorbency and is capable of withstanding high impact. The unique surface design provides excellent traction even when wet and/or greasy. Specifically designed not to shrink or harden when exposed to animal fats or caustic chemicals.

3. APPLICATIONS

Ideal for commercial kitchens, walk-in coolers, medical facilities, veterinary clinics, locker rooms, weight rooms, gym floors, laboratories, entrance ways, factory and plant floors, multipurpose floors, and as a temporary gym floor protection. Eco-Grip® Slip Resistant Safety Flooring may be installed anywhere that a durable wear layer is required such as commercial kitchens, gym floors, restrooms, hallways, etc.

4. SPECIFICATIONS

Size Sheets - 60" x 96" Thickness: 1/4" Surface Finish: Aggressive, textured surface for superior slip resistance. Colors:



Eco-Grip® Slip Resistant Safety Flooring is manufactured from 98% recycled polyvinyl chloride with fabric strand reinforcement to increase overall product flexibility and physical strength.

5. CLEANING INSTRUCTIONS

May be cleaned using standard commercial floor cleaning practices. For ease of maintenance, **Eco-Grip® Commercial Kitchen Floor Cleaner** is the recommended concentrate for commercial kitchen applications.

6. INSTALLATION

Where to install: Eco-Grip® Slip Resistant Safety Flooring may be installed on most types of clean, dry, level and hard substrates. Eco-Grip® Safety Flooring may be used for both interior and exterior applications.

Surface preparation: Surface should be clean and free of debris that may prohibit Eco-Grip® Slip Resistant Safety Flooring from laying flat. Uneven joints and cracks which create an unlevel condition, should be repaired using an approved underlayment or leveling compound. Eco-Grip® Slip Resistant Safety flooring is to be installed following normal installation procedures. Cutting and trimming can be achieved using a standard utility knife or similar razorblade-type tool.

7. ALLIED INDUSTRIES TEST DATA

Tensile Strength: 1600 psi	Bacteria & Mildew Resistance: Excellent ASTM G-21
Compressive Strength Elongation: 185%	Coefficient of Friction (avg): ASTM D-1894-08 Dry 1.31 Wet 1.07
Hardness: instant /15 seconds 90 - 85 Average	Fire Test: NFPA Type I Rated
Weight (oz. sq. ft.): 25.16 ASTM D-751	Thickness: .250 inches
	Oxygen Index: 29.0

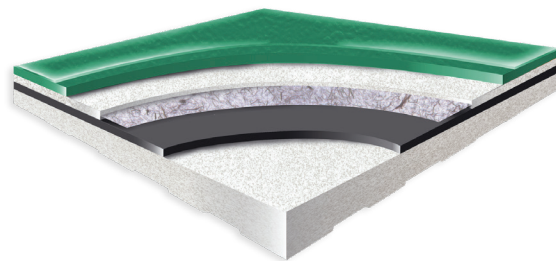
This list is a sampling materials ALLIED INDUSTRIES has seen in the commercial food service environment. Eco-Grip® Slip Resistant Safety Flooring is resistant to these and many more chemicals and ALLIED INDUSTRIES will evaluate any chemical not listed which may be present in a particular application. Data based on ASTM D-543.

Ammonium Chloride	Calcium Chloride	Fluburic Acid	Mineral Spirits
Ammonium Hydroxide	Calcium Hydroxide	Formaldehyde	Motor Oil
Ammonium Nitrate	Calcium Hypochlorite	Gasoline	Muriatic Acid
Ammonium Sulfate	Chicken Fat	Glyoxal	Phosphoric Acid
Amyl Acetate	Chromic Acid	Hexane	Phthalic Acid
Aniline	Citric Acid	Hydrogen Peroxide	Salt Water
Beef Fat	Cutting Oil	Jet Fuel/Diesel Fuel	Sewer Sludge
Benzoic Acid	Detergent Solution	Kerosene	Sodium Hydroxide
	Diethyl Phthalate	Lacquer Spray Paint	Tannic Acid
Boric Acid	Dilute Sodium Hydroxide	Latex Paint	Triacetin
Butyl Acetate	Ethyl Alcohol	Malic Acid	Varasol
Butyric Acid	Fertilizer Solution	Methyl Alcohol	Vegetable Oil

OMNISPORTS

3.5 mm

Omnisports 3.5 mm is a vinyl multi-use sports floor containing a non-woven fiberglass layer and PVC foam backing. Its slightly textured surface is protected with Top Clean xp®, allowing easy maintenance.



Warranty Protection

- 15-year wear layer and product defect coverage plus 10-year moisture tolerance coverage. Refer to sample warranty document for complete coverage.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettsportsindoor.com/en/specs-and-data/leed-information.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- Full Adhesive: installation using Tarkett's Multi-Poxy adhesive, HS Sports Spray, or Multi-Set acrylic adhesive over the entire area (moisture tolerance: 98% RH using Multi-Poxy, 90% RH using HS Sports Spray, 83% using Multi-Set per ASTM F2170)
- Tarkolay: installation over moisture barrier using Multi-Poxy adhesive (no moisture testing required)

Sports Characteristics

Property	Standard	Value
Ball Rebound	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 1
Surface Finish Effect	ASTM F2772-11	Passed
Vertical Deformation	ASTM F2772-11	Passed

Technical Characteristics

Property	Standard	Value
Below-Room Sound Insulation	ISO 717/02	+/- 19 dB
In-Room Sound Insulation	NF S31-074	62 dB
Microbial Resistance	ASTM G21 (backing)	No growth
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Rolling Load	EN 1569	≤ 1.0 mm (No Degradation)
Roll Length	EN 426/EN 427	23 m (75.5')
Roll Width	EN 426/EN 427	2 m (6.5')
Stain Resistance	ASTM F925	Excellent
Static Load Tolerance	ASTM F970 (modified)	175 psi
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Thickness	EN 428/EN 429	3.5 mm (0.138")
Wear Layer Performance Grade	ASTM F1303	Type 1, Grade 1, Commercial
Wear Layer Thickness	—	2.0 mm
Wear Layer Thickness	ASTM F410/F1303	0.65 mm
Weight	EN 430	3.29 kg/m ² (0.67 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

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01/08/18



Available Colors for Omnisports 3.5 mm



Beech

Golden Maple[◇]

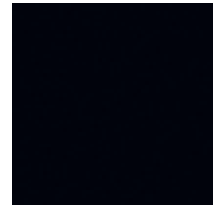
Classic Oak



Gunstock Oak



Grey



Black



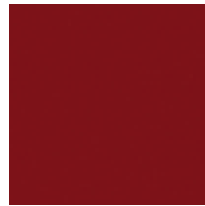
Yellow



Orange



Dark Orange



Red



Royal Blue



Sky Blue



Forest Green



Field Green

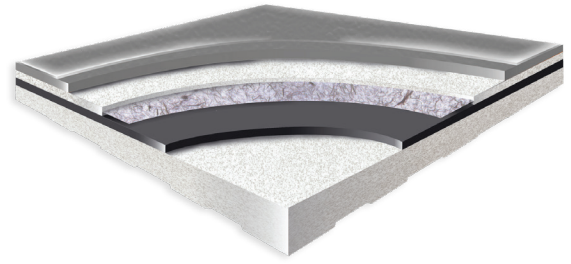


Teal

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
[◇]This pattern has a 2 ¹/₄" wide plank. Other wood patterns have a width of 3".

OMNISPORTS 5.5 mm

Omnisports 5.5 mm is a vinyl multi-use sports floor containing a non-woven fiberglass layer and PVC foam backing. Its slightly textured surface is protected with Top Clean xp®, allowing easy maintenance.



Warranty Protection

- 15-year wear layer and product defect coverage plus 10-year moisture tolerance coverage. Refer to sample warranty document for complete coverage.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettportsindoor.com/en/specs-and-data/leed-information.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- Full Adhesive: installation using Tarkett's Multi-Poxy adhesive, HS Sports Spray, or Multi-Set acrylic adhesive over the entire area (moisture tolerance: 98% RH using Multi-Poxy, 90% RH using HS Sports Spray, 83% using Multi-Set per ASTM F2170)
- Tarkolay: installation over moisture barrier using Multi-Poxy adhesive (no moisture testing required)

Sports Characteristics

Property	Standard	Value
Ball Rebound	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 2
Surface Finish Effect	ASTM F2772-11	Passed
Vertical Deformation	ASTM F2772-11	Passed

Technical Characteristics

Property	Standard	Value
Below-Room Sound Insulation	ISO 717/02	+/- 19 dB
In-Room Sound Insulation	NF S31-074	61 dB
Microbial Resistance	ASTM G21 (backing)	No growth
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Rolling Load	EN 1569	≤ 0.5 mm (No Degradation)
Roll Length	EN 426/EN 427	26 m (85.3')
Roll Width	EN 426/EN 427	2 m (6.5')
Stain Resistance	ASTM F925	Excellent
Static Load Tolerance	ASTM F970 (modified)	175 psi
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Thickness	EN 428/EN 429	5.5 mm (0.216")
Wear Layer Performance Grade	ASTM F1303	Type 1, Grade 1, Commercial
Wear Layer Thickness	—	2.0 mm
Wear Layer Thickness	ASTM F410/F1303	0.7 mm
Weight	EN 430	4.25 kg/m ² (0.87 lbs./sq.ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

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Available Colors for Omnisports 5.5 mm



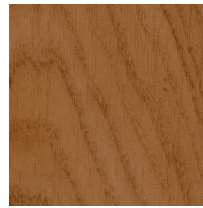
Beech



Golden Maple[◇]



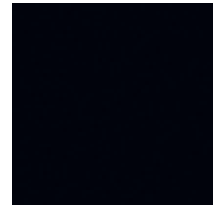
Classic Oak



Gunstock Oak



Grey



Black



Yellow



Orange



Dark Orange



Red



Royal Blue



Sky Blue



Forest Green



Field Green



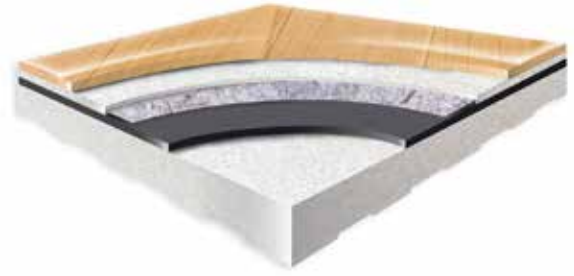
Teal

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
[◇]This pattern has a 2 1/4" wide plank. Other wood patterns have a width of 3".

OMNISPORTS

7.1 mm

Omnisports 7.1 mm is a vinyl multi-use sports floor containing a non-woven fiberglass layer and PVC foam backing. Its slightly textured surface is protected with Top Clean xp®, allowing easy maintenance.



Warranty Protection

- 15-year wear layer and product defect coverage plus 10-year moisture tolerance coverage. Refer to sample warranty document for complete coverage.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettportsindoor.com/en/specs-and-data/leed-information.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- GreenLay™: perimeter glue installation requiring only 2% of the surface area to be glued with Tarkett's solvent-free Multi-Poxy adhesive (moisture tolerance: 92% RH per ASTM F2170)
- Full Adhesive: installation using Tarkett's Multi-Poxy adhesive, HS Sports Spray, or Multi-Set acrylic adhesive over the entire area (moisture tolerance: 98% RH using Multi-Poxy, 90% RH using HS Sports Spray, 83% using Multi-Set per ASTM F2170)
- Tarkolay: installation over moisture barrier using Multi-Poxy adhesive (no moisture testing required)

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Sports Characteristics

Property	Standard	Value
Ball Rebound	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 2
Surface Finish Effect	ASTM F2772-11	Passed
Vertical Deformation	ASTM F2772-11	Passed

Technical Characteristics

Property	Standard	Value
Below-Room Sound Insulation	ISO 717/02	+/- 19 dB
In-Room Sound Insulation	NF S31-074	61 dB
Microbial Resistance	ASTM G21 (backing)	No growth
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Resistance to Impact	EN 1517	No Degradation
Rolling Load	EN 1569	≤ 0.5 mm (No Degradation)
Roll Length	EN 426/EN 427	26 m (85.3')
Roll Width	EN 426/EN 427	2 m (6.5')
Stain Resistance	ASTM F925	Excellent
Static Load Tolerance	ASTM F970	175 psi
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Thickness	EN 428/EN 429	7.1 mm (0.279")
Wear Layer Performance Grade	ASTM F1303	Type 1, Grade 1, Commercial
Wear Layer Thickness	—	2.0 mm
Wear Layer Thickness	ASTM F410/F1303	0.7 mm
Weight	EN 430	4.7 kg/m ² (0.96 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.



Available Colors for Omnisports 7.1 mm

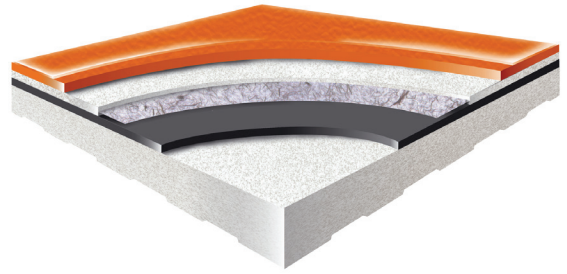


The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
[◇]This pattern has a 3" wide plank. Maple patterns have a width of 2 1/4".

Quick Ship

OMNISPORTS 9.4 mm

Omnisports 9.4 mm is a vinyl multi-use sports floor containing a non-woven fiberglass layer and PVC foam backing. Its slightly textured surface is protected with Top Clean xp®, allowing easy maintenance.



Warranty Protection

- 15-year wear layer and product defect coverage plus 10-year moisture tolerance coverage. Refer to sample warranty document for complete coverage.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettsportsindoor.com/en/specs-and-data/leed-information.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- GreenLay™: perimeter glue installation requiring only 2% of the surface area to be glued with Tarkett's solvent-free Multi-Poxy adhesive (moisture tolerance: 92% RH per ASTM F2170)
- Full Adhesive: installation using Tarkett's Multi-Poxy adhesive, HS Sports Spray, or Multi-Set acrylic adhesive over the entire area (moisture tolerance: 98% RH using Multi-Poxy, 90% RH using HS Sports Spray, 83% using Multi-Set per ASTM F2170)
- Tarkolay: installation over moisture barrier using Multi-Poxy adhesive (no moisture testing required)

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Sports Characteristics

Property	Standard	Value
Ball Rebound	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 3
Surface Finish Effect	ASTM F2772-11	Passed
Vertical Deformation	ASTM F2772-11	Passed

Technical Characteristics

Property	Standard	Value
Below-Room Sound Insulation	ISO 717/02	+/- 20 dB
In-Room Sound Insulation	NF S31-074	65 dB
Microbial Resistance	ASTM G21 (backing)	No growth
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Resistance to Impact	EN 1517	No Degradation
Rolling Load	EN 1569	≤ 0.5 mm (No Degradation)
Roll Length	EN 426/EN 427	26 m (85.3')
Roll Width	EN 426/EN 427	2 m (6.5')
Stain Resistance	ASTM F925	Excellent
Static Load Tolerance	ASTM F970 (modified)	175 psi
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Thickness	EN 428/EN 429	9.4 mm (0.37")
Wear Layer Performance Grade	ASTM F1303	Type 1, Grade 1, Commercial
Wear Layer Thickness	—	2.0 mm
Wear Layer Thickness	ASTM F410/F1303	0.7 mm
Weight	EN 430	5.7 kg/m ² (1.17 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.



THE ULTIMATE
SURFACE EXPERIENCE

11/28/17

TAB C-Flooring
616



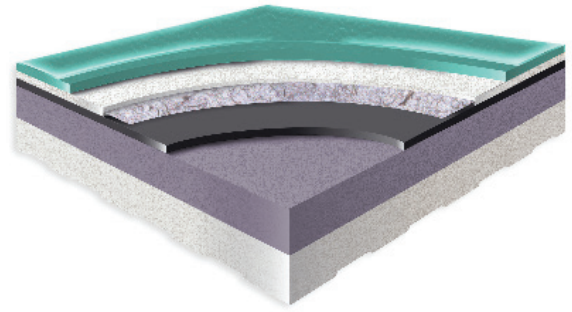
Available Colors for Omnisports 9.4 mm



The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
[◇]This pattern has a 3" wide plank. Maple patterns have a width of 2 1/4".

OMNISPORTS 12.0 mm

Omnisports 12.0 mm is a vinyl sports floor containing a non-woven fiberglass layer and PVC foam backing. Its slightly textured surface is protected with Top Clean xp®, allowing easy maintenance.



Warranty Protection

- 15-year wear layer and product defect coverage plus 10-year moisture tolerance coverage. Refer to sample warranty document for complete coverage.

Environmental Facts and LEED

- For environmental facts and LEED credits, contact Tarkett Sports technical service at 770-712-8540.

Maintenance Instructions

- For a complete maintenance guide, contact Tarkett Sports technical service at 770-712-8540.

Installation Methods

- Full Adhesive: installation using Tarkett's Multi-Poxy adhesive, HS Sports Spray, or Multi-Set acrylic adhesive over the entire area (moisture tolerance: 98% RH using Multi-Poxy, 90% RH using HS Sports Spray, 83% using Multi-Set per ASTM F2170)

Sports Characteristics

Property	Standard	Value
Ball Rebound	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 4
Surface Finish Effect	ASTM F2772-11	Passed
Vertical Deformation	ASTM F2772-11	Passed

Technical Characteristics

Property	Standard	Value
Roll Length	EN 426/EN 427	15 m (49.2')
Roll Width	EN 426/EN 427	2 m (6.5')
Resistance to Wear	EN ISO 5470-1	≤ 1.0 g
Resistance to Indentation	EN 1516	≤ 0.5 mm
Resistance to Impact	EN 1517	No Degradation
Rolling Load	EN 1569	≤ 0.5 mm (No Degradation)
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Stain Resistance	ASTM F925	Excellent
Light Stability of Resilient Flooring by Color Change	ASTM F1515	Excellent
Thickness	EN 428/EN 429	12 mm (0.47')
Wear Layer Performance Grade	ASTM F1303	Type 1, Grade 1, Commercial
Wear Layer Thickness	–	2.0 mm
Wear Layer Thickness	ASTM F410/F1303	0.76 mm
Weight	EN 430	7.1 kg/m ² (1.45 lbs./sq. ft.)

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

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THE ULTIMATE
SURFACE EXPERIENCE

12/21/17

TAB C-Flooring
618



Available Colors for Omnisports 12.0 mm



Golden Maple

Classic Oak[◇]

Orange



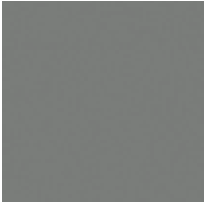
Teal



Royal Blue



Red



Grey



Forest Green

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
[◇]This pattern has a 3" wide plank. Maple patterns have a width of 2 1/4".

ARCHITECTURAL SPECIFICATIONS FOR INDOOR RESILIENT ATHLETIC SURFACING

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Supply and installation of the indoor resilient multipurpose surfacing
- B. Application of the game lines
- C. References for the correct construction and preparation of concrete slabs to receive resilient flooring.

1.1 SUBMITTALS

- A. Product Data:
 - 1. Manufacturer's promotional brochures, specifications and installation instructions
- B. Manufacturer Certifications:
 - 1. Provide certification that accurately identifies the Original Equipment Manufacturer (OEM) of flooring furnished for this project including manufacturer's name, address and factory location.
 - 2. Suppliers of private label flooring for this project must identify themselves as such and fully disclose the OEM information listed above.
 - 3. All "manufacturer" requirements in these specifications must be complied with by the OEM, including warranties, certifications, qualifications, product data, test results, environmental requirements, performance data, etc.
- C. Samples:
 - 1. Submit for selection and approval three (3) sets of the indoor resilient multipurpose surfacing, manufacturer's brochures, samples or sample boards of all of the available colors, textures and styles.
 - 2. Submit color samples of all the available game line paint colors for selection and approval.
- D. Closeout Submittals:
 - 1. Submit three (3) copies of the indoor resilient multipurpose surfacing and manufacturer's maintenance instructions.
 - 2. Submit three (3) copies of the material and installation warranties as specified.

1.1 QUALITY ASSURANCE

- A. Qualifications:
 - 1. The indoor resilient multipurpose surfacing shall have been actively marketed for a minimum of ten (10) years.
 - 2. The indoor resilient multipurpose surfacing shall be manufactured in an ISO 9001 certified plant.
 - 3. The indoor resilient multipurpose surfacing shall be manufactured in an ISO 14001 certified plant.
 - 4. The indoor resilient multipurpose surfacing supplier shall be an established firm, experienced in the field, and competent in the techniques required by the manufacturer.
 - 5. The installer of the indoor resilient multipurpose surfacing shall have a minimum of five (5) years of experience in the field installing indoor resilient multipurpose surfacing and have worked on at least five (5) projects of similar size, type and complexity.

ARCHITECTURAL SPECIFICATIONS FOR INDOOR RESILIENT ATHLETIC SURFACING

- B. Certifications:
 1. Installer to submit the indoor resilient dance floor surfacing manufacturer's certification attesting that they are a trained installer of the indoor resilient multipurpose surfacing.
 2. The indoor resilient multipurpose surfacing manufacturer to submit official ISO 9001 certification for the facility in which the indoor resilient multipurpose surfacing is manufactured.
- C. Testing:
 1. Tests shall be relative for multi-purpose use with certificates from independent testing resources to be made available upon request.
 2. Test results shall be no more than 5 years old and performed according to ASTM standard testing procedures.

1.1 DELIVERY, STORAGE AND HANDLING

- A. Delivery:

Material shall not be delivered until all related work is in place and finished and/or proper storage facilities and conditions can be provided and guaranteed stable according to FieldTurf USA, Inc. recommendations.
- B. Storage:
 1. Store the material in a secure, clean and dry location.
 2. Maintain temperature between 55° and 85° Fahrenheit.
 3. Store the indoor resilient dance floor surfacing rolls in an upright position on a smooth flat surface immediately upon delivery to jobsite.
 4. Rolls shipped in rigid protective cardboard containers can be laid horizontally prior to unpacking and installation.

1.1 PROJECT/SITE CONDITIONS

- A. It is the responsibility of the general contractor/construction manager to maintain project/site conditions acceptable for the installation of the indoor resilient multipurpose flooring.
- B. The area in which the indoor resilient multipurpose surfacing will be installed shall be dry and weather tight. Permanent heat, light and ventilation shall be installed and operable.
- C. All other trades shall have completed their work prior to the installation of the resilient dance floor flooring. The general contractor or construction manager shall maintain a secure and clean working environment before, during and after the installation.
- D. Maintain a stable room temperature of at least 65°F for a minimum of one (1) week prior to, during and thereafter installation.
- E. An effective low-permeance vapor barrier is placed directly beneath the concrete subfloor. For "on" or "below grade" installations, it is recommended to provide a permanent vapor barrier resistant to long term hydrostatic pressure/moisture exposure. Protrusions should be sealed to prevent moisture migration into the slab. Moisture should not be allowed to enter the slab after the completed construction.
- F. Concrete subfloor surface pH level within the 7 to 11 range dependent upon installation type.
- G. Concrete subfloor should be no greater than 1/8" within a 10 ft diameter. This tolerance can be measured in accordance with ASTM E1155. A specified (F_F) of 50 and an (F_L) of 30 should reach this degree of floor flatness and floor level. There is no numerical correlation between F numbers and the deviation from the straight edge. However, the above specified numbers should achieve a flat floor with minimal deviation in the slab. Reference ACI 117 and ACI 302.1R. The general contractor should provide a certificate of compliance with the above recommendations.
- H. Concrete subfloor must be clean and free of all foreign materials or objects including, but not limited to, curing compounds and sealers.

ARCHITECTURAL SPECIFICATIONS FOR INDOOR RESILIENT ATHLETIC SURFACING

- I. Fill cracks, grooves, voids, depressions, and other minor imperfections. Follow the manufacturer's directions. Moveable joints must be treated utilizing specific transitioning joint devices depending upon the architect's recommendations. Follow current ASTM F710 guidelines for the preparation of concrete slabs to receive resilient flooring.
- J. Refer to ACI 302.2R "Guidelines for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials" for concrete design and construction.
- K. Concrete slab shall be fortified with continual steel reinforcement. Fiber reinforcement alone shall not be considered adequate fortification.

1.1 WARRANTY

- A. Special Limited Warranty:
 - 1. Manufacturer's standard form in which manufacturer agrees to repair or replace sports flooring including labor that fails within specified warranty period.
- B. Material warranty must be direct from the product manufacturer.
 - 1. Material warranties from separate or third party insurance providers are not valid.
 - 2. Material warranties must come from original manufacturer or division thereof. Private label warranties from distributors or brokers are not valid. Supply original point of manufacturing upon request.
- C. Failures include, but are not limited to, the following:
 - 1. Material manufacturing defects.
 - 2. Surface wear and deterioration to the point of wear-through of wear layer per ASTM F410/ASTM F1303.
 - 3. Failure due to substrate moisture exposure exceeding 90 percent relative humidity when tested according to ASTM F2170.
- D. Warranty Period:
 - 1. For material defects and surface wear-through: **15** years from date of substantial completion.
 - 2. For moisture vapor tolerance: **10** years from date of substantial completion.
- E. Installer's Limited Warranty:
 - 1. Installer's standard form in which installer agrees to repair or replace sports flooring that fails due to poor workmanship or faulty installation within the specified warranty period.
 - 2. Warranty Period: 2 years from date of substantial completion.

1.1 ADDITIONAL MATERIALS

- A. Furnish to the owner additional materials containing a total of at least 1% of each different color or design of the indoor resilient dance floor surfacing used on the project.

ARCHITECTURAL SPECIFICATIONS FOR INDOOR RESILIENT ATHLETIC SURFACING**PART 2 - PRODUCTS****2.1 MATERIALS**

- A. Prefabricated dance floor surfacing 3.5 mm with slightly textured embossed surface.
 - 1. Intermediate layers shall be fortified with a non-woven fiberglass grid for increased dimensional stability.
 - 2. The foam force reduction layer shall be high-density closed cell PVC foam with honeycomb embossing, and is applied in one continuous manufacturing process.
 - 3. Laminated or adhered foam layers will not be allowed.
 - 4. Field constructed products will not be accepted.
- A. Adhesive moisture mitigation combination. Provide non-solvent reactive topically applied moisture mitigation/adhesive according to manufacturer's recommendations.
- B. Physical properties of the indoor resilient dance floor surfacing shall conform to the following minimums:

Width	—	6' 6" (2 m)
Length	—	85' (25.9m) approx.
Wear Layer	—	2 mm
Total Thickness	—	3.5 mm
Wear Layer	Type 1– Grade 1	ASTM F1303/F410
Force Reduction	PASSED	ASTM F2772 Class 1
Slip Resistance	P3	AS 4586
Surface Finish Effect	PASSED	ASTM F2772 (80 – 110)
Abrasion Volume Loss	Group T: ≤2.0 mm ³	EN 660: Part 2
Chemical Resistance	Excellent	ASTM F925
Impact Resistance	PASSED	EN 1717
Abrasion Resistance	PASSED	0.10 (EN ISO 5470-1 {06/1999})
Static Load Limit	PASSED	ASTM F970- Load 175 Lbs
Sound Insulation	Excellent	+/- 19 dB (ISO 717/2)
In-Room Sound Insulation	Excellent	61dB (NF S31-074)
Fire Rating	PASSED	ASTM E648 Class 1
Phthalate-free technology	—	YES
REACH Compliant	—	YES
Heavy Metals	—	NO
ISO 9001	—	YES
ISO 14001	—	YES

- 1. Color: As available from the indoor resilient dance floor surfacing manufacturer's standard range.
- C. Welding Rod: As supplied by the indoor resilient dance floor surfacing manufacturer or supplier.
 - 1. Color to blend with the indoor resilient dance floor surfacing color or design.
 - 2. All seams shall be welded to create a monolithic and impermeable surface.
- C. Adhesive: As approved by the indoor resilient dance floor surfacing manufacturer.

SECTION 09 65 66

ARCHITECTURAL SPECIFICATIONS FOR INDOOR RESILIENT ATHLETIC SURFACING

PART 3 - EXECUTION

3.1 EXAMINATION

- A. It is the responsibility of the general contractor/construction manager to ensure that project/site conditions are acceptable for the installation of the indoor resilient dance floor surfacing.
- B. Verify that the area in which the indoor resilient dance floor surfacing will be installed is dry and weather tight. Verify that permanent heat, light and ventilation are installed and operable.
- C. Verify that all other work that could cause damage, dirt and dust or interrupt the normal pace of the indoor resilient dance flooring installation is completed or suspended.
- D. Verify that there is a stable room temperature of at least 65°F.
- E. Verify that there are no foreign materials or objects on the subfloor and that the subfloor is clean and ready for installation.
- F. Direct Full Spread Adhering to Concrete Subfloor : moisture content less than 90% RH when tested per ASTM F2170.
- G. Follow Fieldturf USA, Inc. installation recommendations.
- H. Do not average the results of the tests. Report all field test results in writing to the General Contractor, Architect, and End User prior to installation.
- I. Verify that the concrete subfloor surface pH level is within the 7 - 11 range.
- J. Document the results confirming the slab is within manufacturer's tolerances for slab deviation.

3.2 PREPARATION OF SURFACES

- A. Sand the entire surface of the concrete slab.
- B. Sweep the concrete slab so as to remove all dirt and dust. If a sweeping compound is to be used it must be a sweeping compound that does not contain oil or other items that may inhibit the adhesive bond.
- C. Slab must be dust free. In the event that dust impairs adhesive bond, priming the slab prior to application of adhesive may be necessary. Follow installation guidelines.
- D. Follow OSHA guidelines.

3.3 INSTALLATION

- A. The installation area shall be closed to all traffic and activity for a period to be set by the indoor resilient dance floor surfacing installer. The indoor resilient dance floor surfacing installation shall not begin until the installer is familiar with the existing conditions.
- B. All necessary precautions should be taken to minimize noise, smell, dust, the use of hazardous materials and any other items that may inconvenience others.
- C. Install the indoor resilient dance floor surfacing in strict accordance with the indoor resilient dance floor surfacing manufacturer's written instructions.
- D. Install the indoor resilient dance floor surfacing minimizing cross seams. Provide a seam diagram during the submittal process for approval prior to installation. Vinyl Sheet Flooring Seams: Comply with ASTM F 1516. Rout joints and heat weld to permanently and seamlessly fuse sections together.
- E. Install appropriate threshold plates or transition strips where necessary.

ARCHITECTURAL SPECIFICATIONS FOR INDOOR RESILIENT ATHLETIC SURFACING

3.5 *CLEANING*

- A. Remove all unused materials, tools, and equipment and dispose of any debris properly. Clean the indoor resilient dance floor surfacing in accordance with the manufacturer's instructions.

3.6 *PROTECTION*

- A. If required, protect the indoor resilient dance floor surfacing from damage using coverings approved by the manufacturer until acceptance of work by the customer or their authorized representative.

3.7 *RELATED STANDARDS AND GUIDELINES*

- A. ASTM F2170 "Standard Test Method for Determining Relative Humidity In Concrete Floor Slabs Using In-Situ Probes"
- B. ASTM F710 "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring"
- C. ACI 302.2R-06 "Guideline for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials"
- D. ASTM F2772-11 "Standard Specification for Athletic Performance Properties of Indoor Sports Floor Systems"

END OF SECTION


Product Specifications

Product Size	6' Roll and 24" X 24" Tile (18" x 18" and 36" x 36" also available)	
Pattern Scale	Small	
Pattern Type	Texture	
Collection	Jhane Barnes	
Coordinating Group	Textures	
Primary Backing	Non-woven synthetic fiber	
Construction	AccuweaveÆ Patterned Loop	
GSA	Yes	
Price Range	\$\$\$\$	
Face Weight	24 oz/sq yd	813.6 g/sq m
Gauge	1/12	47.2 rows/ 10 cm
Stitches Per Inch	8.0 stitches / inch	31.5 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	TDXÆ Nylon	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	1.5 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	

Jhane Barnes


Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Random
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Abrasive Action II #02578

Powerbond Cushion RS

Product Specifications

Product Size	6' Roll	1.8 m
Total Product Thickness	0.384 in (9.7536 mm)	
Pattern Scale	Small	
Pattern Type	Texture	
Collection	Jhane Barnes	
Coordinating Group	Textures	
Primary Backing	Non-woven synthetic fiber	
Construction	Accuweave® Patterned Loop	
GSA	Yes	
Price Range	\$\$\$\$	
Face Weight	24 oz/sq yd	813.6 g/sq m
Gauge	1/12	47.2 rows/ 10 cm
Stitches Per Inch	8.0 stitches / inch	31.5 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	TDX® Nylon	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Gold	
Electrostatic Propensity	1.5 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	

Jhane Barnes



Environmental Attributes

Total Recycled Content	7.9% (.0% Pre-Consumer; 7.9% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP9744
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Random
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Warranty Information

SPECIFICATIONS

Warranty Information

Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.



POWERBOND



MODULAR

Product Specifications

Product Size	24" X 24" Tile (18" x 18" and 36" x 36" also available)	
Total Product Thickness	0.278 in (7.0612 mm)	
Pattern Scale	Large	
Pattern Type	Geometric	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Stratatec® Patterned Loop	
GSA	Yes	
Price Range	\$	
Face Weight	17 oz/sq yd	576.3 g/sq m
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	8.5 stitches / inch	33.5 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	Dynex SD® Nylon / Dynex® Nylon	
Dye Method	90% Solution Dyed / 10% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Platinum	
Electrostatic Propensity	1.5 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Wet Spread	Backing specific Tandus Adhesives	

Jhane Barnes



Environmental Attributes

Total Recycled Content	58.7% (23.9% Pre-Consumer; 34.8% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP8320
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Quarter Turn / Random / Vertical Ashlar - 18" X 36"
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Warranty Information

SPECIFICATIONS

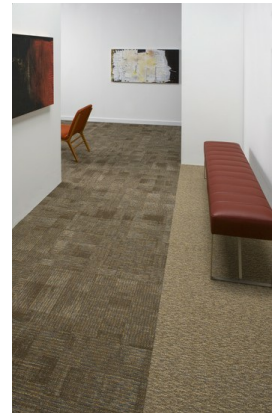
Warranty Information

Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

Product Specifications

Product Size	6' Roll	1.8 m
Total Product Thickness	0.384 in (9.7536 mm)	
Pattern Scale	Large	
Pattern Type	Geometric	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Stratatec® Patterned Loop	
GSA	Yes	
Price Range	\$	
Face Weight	17 oz/sq yd	576.3 g/sq m
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	8.5 stitches / inch	33.5 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	Dynex SD® Nylon / Dynex® Nylon	
Dye Method	90% Solution Dyed / 10% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Gold	
Electrostatic Propensity	1.5 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	

Jhane Barnes


Environmental Attributes

Total Recycled Content	8.6% (.0% Pre-Consumer; 8.6% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP9744
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Quarter Turn / Random / Vertical Ashlar - 18" X 36"
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Warranty Information

SPECIFICATIONS

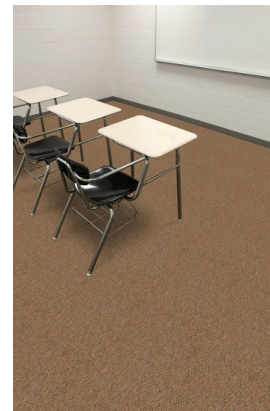
Warranty Information

Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.



Product Specifications

Product Size	6' Roll and 24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Pattern Scale	Medium	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$	
Face Weight	18 oz/sq yd	610.2 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.2 stitches / inch	32.3 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	Dynex SDÆ Nylon / DynexÆ Nylon	
Dye Method	50% Solution Dyed / 50% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	2.2 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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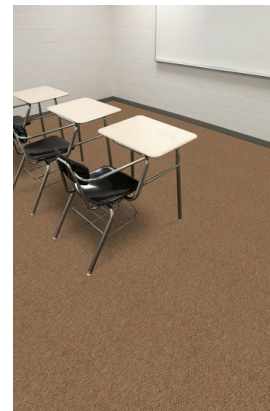
Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Product Specifications

Product Size	6' Roll and 24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Pattern Scale	Medium	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$	
Face Weight	18 oz/sq yd	610.2 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.2 stitches / inch	32.3 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	Dynex SDÆ Nylon / DynexÆ Nylon	
Dye Method	50% Solution Dyed / 50% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	2.2 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Face Construction	Imperial	Metric
Construction	Level Loop	
Face Weight	20 oz/sq yd	678 g/sq m
Gauge	1/13	50.4 rows/10 cm
Stitches per Inch	8.4	33.1 pu/10 cm
Tuft Density	107.5 tufts/sq in	16.7 tufts/sq cm
Pile Height Average	0.117 inch	3.0 mm
Pile Thickness	0.074 inch	1.9 mm
Density Factor	9,730 oz/cu yd	360.0 kg/cu m
Fiber System	Antron® Legacy Nylon	
Dye Method	85% Solution Dyed / 15% Yarn Dyed	
Soil/Stain Protection	Ensure	10 Kilotex
Primary Tufting Substrate	Synthetic Non-Woven	

Third Party Environmental Certifications

Product		Recycled Content		NSF 140
		Overall	Post-Consumer	
Certified	ER3® Modular	44-65%	12%	Platinum
Certified	Powerbond® ethos™ Cushion	36-61%	36%	Platinum
Certified	Powerbond® ER3® Cushion	39-59%	12%	Platinum
Certified	ethos™ Modular	26-50%	15%	Platinum
Certified	Powerbond® Cushion	6-28%	6%	Gold
Certified	Powerbond® Medfloor	6-28%	6%	
Certified	Flex-Aire™ Cushion Modular	15-33%		

**Recycled content certified by SCS and varies by product style.

Product Testing/Information

Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)
Electrostatic Propensity	1.2 kV (AATCC 134); Permanent Conductive Fiber
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)
Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
Smoke Generation	Less than 450 (ASTM E-662)
Colorfastness to Light	≥ 4 after 60 hours (AATCC 16E)
Fluorine	Minimum 200 ppm (CRI TM-102)

Installation Methods

Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick
Wet Spread	Backing specific Tandus Adhesives
Installation Method	Monolithic

Product Notes

- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice. Colors may vary slightly from dye lot to dye lot.
- U.S. Patent numbers: 4,849,297; 4,49,267; 5,728,741; 5,855,981; 5,914,353; 6,406,574
- The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

Warranty: 15 year limited warranty against excessive surface wear, static, delamination, edge ravel, zippering & backing resiliency loss.

ER3® Modular

Total Recycled Content	51.7%	Pre-Consumer: 38.7%	Post-Consumer: 13%	SCS Certified
Third Party Certification NSF-140	Platinum			SCS Certified
Product Size	24" x 24" Tile (18" x 18" and 36" x 36" also available)			
Secondary Backing	100% Recycled Content with Tru Bloc (Barrier System)			
Intermediate Layer	Fiberglass Reinforced Sealant			
Product Construction	No Delamination per ASTM D-3936			
Secondary Backing Density	65	lbs/cu ft	1041	kg/cu m
Secondary Backing Thickness	0.087	inch	2.2	mm
Total Weight with RS / Non-RS	132.5	130.9	oz/sq yd +/-5%	4493 4439 g/sq m
CRI Green Label Plus Certification	GLP1366			

ethos™ Modular

Total Recycled Content	31.6%	Pre-Consumer: 13.6%	Post-Consumer: 18%	SCS Certified
Third Party Certification NSF-140	Platinum			SCS Certified
Product Size	24" x 24" Tile (18" x 18" and 36" x 36" also available)			
Secondary Backing	50% Recycled Content			
Intermediate Layer	Fiberglass Reinforced Sealant			
Product Construction	No Delamination per ASTM D-3936			
Secondary Backing Density	65.0	lbs/cu ft	1041	kg/cu m
Secondary Backing Thickness	0.050	inch	1.3	mm
Total Weight	97.2		oz/sq yd +/-5%	3296.4 g/sq cm
CRI Green Label Plus Certification	GLP8320			

Flex-Aire™ Cushion Modular

Total Recycled Content	18.6%	Pre-Consumer: 18.6%	Post-Consumer: 0%	SCS Certified
Product Size	24" x 24" Tile (18" x 18" and 36" x 36" also available)			
Secondary Backing	Fiberglass Reinforced Composite Closed Cell Cushion			
Intermediate Layer	Fiberglass Reinforced Sealant			
Product Construction	No Delamination per ASTM D-3936			
Cushion Weight	35.5	oz/sq yd	1203	g/sq m
Cushion Density	18.5	lbs/cu ft	296	kg/cu m
Cushion Thickness	0.156	inch	4.0	mm
Total Weight with RS / Non-RS	121.1	119.7	oz/sq yd +/-5%	4107 4059 g/sq m
Compression Set	Max. 10%			ASTM D-3574
Compression Deflection	5 Min.	25 max lbs/sq inch @ 25%	352 1758	g/sq cm
CRI Green Label Plus Certification	GLP6558			

Conserv™ Modular

Product Size	24" x 24" Tile (18" x 18" and 36" x 36" also available)			
Secondary Backing	Thermoplastic Polymeric			
Intermediate Layer	Fiberglass Reinforced Sealant			
Product Construction	No Delamination per ASTM D-3936			
Secondary Backing Density	120	lbs/cu ft	1922	kg/cu m
Secondary Backing Thickness	0.041	inch	1.0	mm
Total Weight	99.2		oz/sq yd +/-5%	3364 g/sq cm
CRI Green Label Plus Certification	GLP1366			



Powerbond® (VCTT Sheet Flooring)

Product Construction
Powerbond Options

	IMPERIAL		METRIC		TEST METHOD
Warranty: 25 year non-prorated limited warranty against excessive surface wear, static, delamination, edge ravel, zippering & backing resiliency loss.					
Powerbond ethos™ Cushion					
Total Product Recycled Content	41.3%	Pre-Consumer: 0%	Post-Consumer: 41.3%		SCS Certified
Third Party Certification NSF-140	Platinum				SCS Certified
Product Size	6 ft.		1.8 m		
Cushion	76% Recycled Content Closed Cell Cushion				
Heterogeneous Construction	No Delamination per ASTM D-3936				
Cushion Density	32	lbs/cu ft	513	kg/cu m	ASTM D-3574
Cushion Thickness	0.100	inch	2.5	mm	ASTM D-3574
Total Weight	88.6	oz/sq yd +/-5%	3005	g/sq m	
Compression Set	Max. 10%				ASTM D-3574
Compression Deflection	29	lbs/sq inch @ 25%	2039	g/sq cm	ASTM D-3574
CRI Green Label Plus Certification	GLP8320				
Powerbond ER3® Cushion					
Total Product Recycled Content	43.7%	Pre-Consumer: 31.7%	Post-Consumer: 12%		SCS Certified
Third Party Certification NSF-140	Platinum				SCS Certified
Product Size	6 ft.		1.8 m		
Cushion	98% Recycled Content Closed Cell Cushion				
Heterogeneous Construction	No Delamination per ASTM D-3936				
Cushion Density	28.5	lbs/cu ft	457	kg/cu m	ASTM D-3574
Cushion Thickness	0.125	inch	3.2	mm	ASTM D-3574
Total Weight	106.6	oz/sq yd +/-5%	3615	g/sq m	
Compression Set	Max. 10%				ASTM D-3574
Compression Deflection	7 Min. 25 max	lbs/sq inch @ 25%	492	1758	g/sq cm
CRI Green Label Plus Certification	GLP8030				
Powerbond Cushion					
Total Product Recycled Content	7.2%	Pre-Consumer: 0%	Post-Consumer: 7.2%		SCS Certified
Third Party Certification NSF-140	Gold				SCS Certified
Product Size	6 ft.		1.8 m		
Cushion	Closed Cell Cushion				
Heterogeneous Construction	No Delamination per ASTM D-3936				
Cushion Weight	35.5	oz/sq yd	1203	g/sq m	ASTM D-3574
Cushion Density	18.5	lbs/cu ft	296	kg/cu m	ASTM D-3574
Cushion Thickness	0.156	inch	4.0	mm	ASTM D-3574
Total Weight with RS / Non-RS	83.0	80.7	oz/sq yd +/-5%	2815	2737
Compression Set	Max. 10%				ASTM D-3574
Compression Deflection	7 Min. 25 max	lbs/sq inch @ 25%	492	1758	g/sq cm
CRI Green Label Plus Certification	GLP9744				
Powerbond Medfloor					
Total Product Recycled Content	7.4%	Pre-Consumer: 0%	Post-Consumer: 7.4%		SCS Certified
Product Size	6 ft.		1.8 m		
Cushion	Medfloor				
Heterogeneous Construction	No Delamination per ASTM D-3936				
Cushion Weight	37	oz/sq yd	1254	g/sq m	ASTM D-3574
Cushion Density	36	lbs/cu ft	577	kg/cu m	ASTM D-3574
Cushion Thickness	0.085	inch	2.2	mm	ASTM D-3574
Total Weight with RS / Non-RS	84.9	82.2	oz/sq yd +/-5%	2879	2788
Compression Set	Max. 10%				ASTM D-3574
Compression Deflection	29	lbs/sq inch @ 25%	2039	g/sq cm	ASTM D-3574
CRI Green Label Plus Certification	GLP9744				



Product Specifications

Product Size	24" x 24" Tile	
Stain Resistance	>8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)	
Dynex SD Stain Warranty	Lifetime Limited Stain Resistance Dynex SD Stain	
Platform Sizes	24" x 24" Tile	
Pattern Scale	Large	
Pattern Type	Geometric	
Collection	Big City Bright Lights	
Coordinating Group	Coordinate Group 6	
Primary Backing	Non-woven synthetic fiber	
Construction	StratatecÆ Patterned Loop	
GSA	Yes	
Price Range	\$	
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	10.0 stitches / inch	39.4 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	Dynex SDÆ Nylon(Permanent Stain Resistance)	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
TARR	3.6 Severe Traffic Classification per CRI Texture Appearance Retention Rating	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	1.8 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	

Big City Bright Lights



Environmental Attributes

Recycled Content	Yes
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Quarter Turn / Horizontal Ashlar / Random
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Product Specifications

Product Size	24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$	
Face Weight	18 oz/sq yd	610.2 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.5 stitches / inch	33.5 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	AntronÆ Legacy Nylon	
Dye Method	60% Solution Dyed / 40% Yarn Dyed	
Fluorine-Free Soil Protection	DuraTechÆ	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	1.5 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Product Specifications

Reclamation	100% recyclable in the ReStartÆ Program	
Product Size	6' Roll and 24" X 24" Tile (18" x 18" and 36" x 36" also available)	
Stain Resistance	>8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)	
Dynex SD Stain Warranty	Lifetime Limited Stain Resistance Dynex SD Stain	
Platform Sizes	6' Roll, 24" x 24" Tile	
Pattern Scale	Large	
Pattern Type	Organic	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 16	
Primary Backing	Non-woven synthetic fiber	
Construction	StratatecÆ Patterned Loop	
Face Weight	20 oz/sq yd	678 g/sq m
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	9.6 stitches / inch	37.8 stitches/10 cm
Pile Height Average	.140 inch	3.6 mm
Fiber System	Dynex SDÆ Nylon(Permanent Stain Resistance)	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	3.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	

Jhane Barnes



Environmental Attributes

Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)
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Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Vertical Ashlar
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Product Specifications

Reclamation	100% recyclable in the ReStart/E Program	
Product Size	6' Roll and 24" X 24" Tile (18" x 18" and 36" x 36" also available)	
Stain Resistance	>8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)	
Dynex SD Stain Warranty	Lifetime Limited Stain Resistance Dynex SD Stain	
Platform Sizes	6' Roll, 24" x 24" Tile	
Pattern Scale	Large	
Pattern Type	Organic	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 16	
Primary Backing	Non-woven synthetic fiber	
Construction	Stratatec/E Patterned Loop	
Face Weight	20 oz/sq yd	678 g/sq m
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	9.6 stitches / inch	37.8 stitches/10 cm
Pile Height Average	.140 inch	3.6 mm
Fiber System	Dynex SD/E Nylon(Permanent Stain Resistance)	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	3.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	

Jhane Barnes



Environmental Attributes

Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)
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Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Vertical Ashlar
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TILE + PLANK

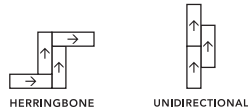
CONTOUR SERIES
ANTIQUÉ WOOD (CAN)

Tandus Centiva

A Tarkett Company

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B								
Total Thickness:	0.120" (3.0 mm)								
Wear Layer Thickness:	32 mil (0.8 mm)								
Edge Treatment:	Square (SE) or Slight Bevel (SB)								
Emboss:	Optional <table> <tr> <td>Frost (FR)</td><td>Sawn (SW)</td></tr> <tr> <td>Natural Grain (NG)</td><td>Straight Grain (ST)</td></tr> <tr> <td>Quarry (QU)</td><td>Tick (TK)</td></tr> <tr> <td>Rough (RG)</td><td></td></tr> </table>	Frost (FR)	Sawn (SW)	Natural Grain (NG)	Straight Grain (ST)	Quarry (QU)	Tick (TK)	Rough (RG)	
Frost (FR)	Sawn (SW)								
Natural Grain (NG)	Straight Grain (ST)								
Quarry (QU)	Tick (TK)								
Rough (RG)									
Warranty:	20-Year Limited Commercial Wear Warranty								
Colors:	18								
Adhesive:	Tarkett RollSmart™, CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.								

Installation Methods:


Product shown: CAN 3720

SIZES	3" x 36" (7.62 cm x 91.44 cm)	6" x 48" (15.24 cm x 121.92 cm)
	4" x 36" (10.16 cm x 91.44 cm)	7.2" x 48" (18.29 cm x 121.92 cm)
	6" x 36" (15.24 cm x 91.44 cm)	9" x 36" (22.86 cm x 91.44 cm)

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF ≥ 0.45 watts/cm² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	27.5% Preconsumer	
Materials:	No Heavy Metals; Non-Toluene Ink System	
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification	
Recyclability:	100% Recyclable through our ReStart® Program	
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring	LEED v4 MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials MRc5 Construction and Demolition Waste Management IEQc2 Low-Emitting Materials
Third-party Certification:	NSF/ANSI-332 Gold	
Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System	
Packaging:	Packaged in recycled, corrugated cardboard	



floor
score

certified by
SCS Global Services



ReStart



UL
CERTIFIED
GOLD

PRODUCT CERTIFIED
FOR REDUCED ENVI-
RONMENTAL IMPACT.
VIEW SPECIFIC ATTRI-
BUTES EVALUATED:
UL COM/EL
NSF 332



PRODUCT CERTIFIED
FOR REDUCED ENVI-
RONMENTAL IMPACT.
VIEW SPECIFIC ATTRI-
BUTES EVALUATED:
UL.COM/EL
NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

Product Specifications

Product Size	24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available) / 9" x 36" Plank
Series	Contour
Classification	ASTM F 1700 Class III Type B
Total Thickness	.120" (3.0 mm)
Wear Layer Thickness	32 mil
Edge Treatment	Square Edge (SE) or Slight Bevel (SB)
Emboss	Optional
Reclamation	100% recyclable in the ReStart® Program
NSF 332 Certification	Gold
Installation Direction	Click Here for PDF
Platform Sizes	12" x 12", 12" x 18", 18" x 18", 9" x 36", 12" x 36", 12" x 24"
Collection	Stone
GSA	Yes
Third Party Certification NSF-140	Platinum
Wet Spread	Backing specific Tandus Adhesives

Stone



Environmental Attributes

Total Recycled Content	.0% (.0% Pre-Consumer; .0% Post-Consumer)
Indoor Air Quality	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
CRI Green Label Plus Certification	GLP8320

Warranty Information

Warranty Information	Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.
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TILE + PLANK

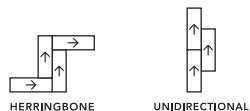
CONTOUR SERIES
NUGRAIN (CNU)

Tandus Centiva

A Tarkett Company

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	32 mil (0.8 mm)
Edge Treatment:	Square (SE) or Slight Bevel (SB)
Emboss:	Standard Tick (TK) <i>Others available</i>
Warranty:	20-Year Limited Commercial Wear Warranty
Colors:	8
Adhesive:	Tarkett RollSmart™, CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:


HERRINGBONE

UNIDIRECTIONAL



Product shown: CNU 3717

SIZES	3" x 36" (7.62 cm x 91.44 cm) 4" x 36" (10.16 cm x 91.44 cm) 6" x 36" (15.24 cm x 91.44 cm)	6" x 48" (15.24 cm x 121.92 cm) 7.2" x 48" (18.29 cm x 121.92 cm) 9" x 36" (22.86 cm x 91.44 cm)
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TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF≥0.45 watts/cm² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	27.5% Preconsumer	
Materials:	No Heavy Metals; Non-Toluene Ink System	
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification	
Recyclability:	100% Recyclable through our ReStart® Program	
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring	LEED v4 MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials MRc5 Construction and Demolition Waste Management IEQc2 Low-Emitting Materials
Third-party Certification:	NSF/ANSI-332 Gold	
Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System	
Packaging:	Packaged in recycled, corrugated cardboard	



PRODUCT CERTIFIED
FOR REDUCED ENVI-
RONMENTAL IMPACT.
VIEW SPECIFIC ATTRI-
BUTES EVALUATED:
UL.COM/EL
NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

LVT

TILE + PLANK

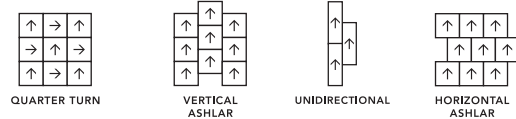
CONTOUR SERIES
VESTIGE (CVE)

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	32 mil (0.8 mm)
Edge Treatment:	Square (SE) or Slight Bevel (SB)
Emboss:	Standard Quarry (QU) Others available

Warranty:	20-Year Limited Commercial Wear Warranty
Colors:	5
Adhesive:	Tarkett RollSmart™, CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:



Product shown: CVE 1016

SIZES	12"x12" (30.48 cm x 30.48 cm)	12"x36" (30.48 cm x 91.44 cm)
	12"x18" (30.48 cm x 45.72 cm)	18"x18" (45.72 cm x 45.72 cm)
	12"x24" (30.48 cm x 60.96 cm)	6"x36" (15.24 cm x 91.44 cm)
	9"x36" (22.86 cm x 91.44 cm)	

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF≥0.45 watts/cm² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	27.5% Preconsumer	
Materials:	No Heavy Metals; Non-Toluene Ink System	
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification	
Recyclability:	100% Recyclable through our ReStart® Program	
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring	LEED v4 MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials MRc5 Construction and Demolition Waste Management IEQc2 Low-Emitting Materials
Third-party Certification:	NSF/ANSI-332 Gold	
Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System	
Packaging:	Packaged in recycled, corrugated cardboard	

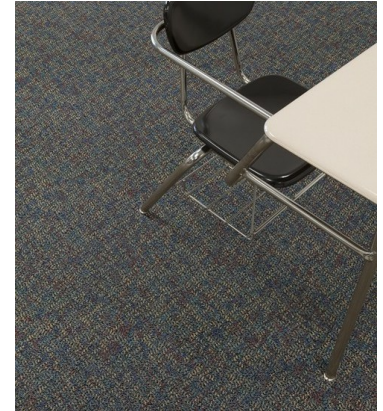


PRODUCT CERTIFIED
FOR REDUCED ENVI-
RONMENTAL IMPACT.
VIEW SPECIFIC ATTRI-
BUTES EVALUATED:
UL.COM/EL
NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

Product Specifications

Product Size	6' Roll and 24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Platform Sizes	18" x 18" Tile, 36" x 36" Tile, 6' Roll, 24" x 24" Tile	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$	
Face Weight	18 oz/sq yd	610.2 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.5 stitches / inch	33.5 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	Dynex SDÆ Nylon / DynexÆ Nylon	
Dye Method	60% Solution Dyed / 40% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	2.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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TILE + PLANK

SPECIFICATIONS

EVENT SERIES
CLASSIC PLANK (ECK)

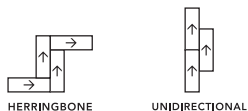
Tandus Centiva

A Tarkett Company

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	30 mil (0.76 mm)
Edge Treatment:	Square (SE), optional Slight Bevel (SB)
Emboss:	Standard
	Frost (FR) (BB32 only)
	Third Grain (TG) (3321, OL03, OL05, OL07)
	Natural Grain (NG) (all except the above colors)
Warranty:	20-Year Limited Commercial Wear Warranty
Colors:	11
Adhesive:	CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:



HERRINGBONE

UNIDIRECTIONAL



Product shown: ECK 3305

SIZES	4" x 36" (10.16 cm x 91.44 cm)
	6" x 36" (15.24 cm x 91.44 cm)

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF \geq 0.45 watts/cm ² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Materials:	No Heavy Metals; Non-Toluene Ink System
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
Recyclability:	100% Recyclable through our ReStart® Program
LEED Scoreboard:	LEED 2009
	MRc2 Construction Waste Management
	MRc5 Regional Materials
	IEQ 4.1 Low-Emitting Adhesives
	IEQ 4.3 Low-Emitting Materials Flooring
Manufacturing:	ISO 9001 Quality Management System
	ISO 14001 Environmental Management System
	OHSAS 18001 Occupational Health and Safety Management System
Packaging:	Packaged in recycled, corrugated cardboard

QUICKSHIP PROGRAM

 All colors in this style

LEED v4

MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations

MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials

MRc5 Construction and Demolition Waste Management

IEQc2 Low-Emitting Materials



- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.



TILE + PLANK

EVENT SERIES
CLASSIC STONE (ECL)

Tandus Centiva

A Tarkett Company

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	30 mil (0.76 mm)
Edge Treatment:	Square (SE), optional Slight Bevel (SB)
Emboss:	Standard
	Frost (FR) (7101, 7102, 7112, 7126, 7127)
	Quarry (QU) (7106, 7107, 7133)
Warranty:	20-Year Limited Commercial Wear Warranty
Colors:	8
Adhesive:	CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:

Product specific.

Please see tandus-centiva.com for more information.



QUARTER TURN

VERTICAL
ASHLARHORIZONTAL
ASHLAR

SIZES	12"x18" (30.48 cm x 45.72 cm)
	18"x18" (45.72 cm x 45.72 cm)

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF \geq 0.45 watts/cm ² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Materials:	No Heavy Metals; Non-Toluene Ink System
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
Recyclability:	100% Recyclable through our ReStart® Program
LEED Scoreboard:	LEED 2009
	MRc2 Construction Waste Management
	MRc5 Regional Materials
	IEQ 4.1 Low-Emitting Adhesives
	IEQ 4.3 Low-Emitting Materials Flooring
Manufacturing:	ISO 9001 Quality Management System
	ISO 14001 Environmental Management System
	OHSAS 18001 Occupational Health and Safety Management System
Packaging:	Packaged in recycled, corrugated cardboard

QUICKSHIP PROGRAM
 All colors in this style

LEED v4

MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations

MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials

MRc5 Construction and Demolition Waste Management

IEQc2 Low-Emitting Materials



- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

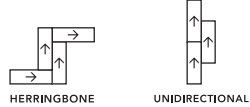
LVT

TILE + PLANK

EVENT SERIES
HERITAGE PLANK (EHP)

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	30 mil (0.76 mm)
Edge Treatment:	Square (SE), optional Slight Bevel (SB)
Emboss:	Standard
	Natural Grain (NG) (GW38 only)
	Rustic (RU) (3350, 3352, 3354)
	Third Grain (TG) (GW29 only)
	Weathered Grain (WE) (3208, 3209)
Warranty:	20-Year Limited Commercial Wear Warranty
Colors:	7
Adhesive:	CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.
Installation Methods:	



SIZES	4" x 36" (10.16 cm x 91.44 cm)
	6" x 36" (15.24 cm x 91.44 cm)

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF \geq 0.45 watts/cm ² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Materials:	No Heavy Metals; Non-Toluene Ink System
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
Recyclability:	100% Recyclable through our ReStart® Program
LEED Scoreboard:	LEED 2009
	MRc2 Construction Waste Management
	MRc5 Regional Materials
	IEQ 4.1 Low-Emitting Adhesives
	IEQ 4.3 Low-Emitting Materials Flooring
Manufacturing:	ISO 9001 Quality Management System
	ISO 14001 Environmental Management System
	OHSAS 18001 Occupational Health and Safety Management System
Packaging:	Packaged in recycled, corrugated cardboard

QUICKSHIP PROGRAM

 All colors in this style

LEED v4
MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations
MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials
MRc5 Construction and Demolition Waste Management
IEQc2 Low-Emitting Materials



- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.



Product Specifications

Product Size	6' Roll and 24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
Price Range	\$	
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.8 stitches / inch	34.6 stitches/10 cm
Pile Height Average	0.109 inch	2.8 mm
Fiber System	Dynex SDÆ Nylon / DynexÆ Nylon	
Dye Method	55% Solution Dyed / 45% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
TARR	3.5 Severe Traffic Classification per CRI Texture Appearance Retention Rating	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	2.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Product Specifications

Product Size	6' Roll and 24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 3	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
Price Range	\$	
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.8 stitches / inch	34.6 stitches/10 cm
Pile Height Average	0.109 inch	2.8 mm
Fiber System	Dynex SDÆ Nylon / DynexÆ Nylon	
Dye Method	55% Solution Dyed / 45% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
TARR	3.5 Severe Traffic Classification per CRI Texture Appearance Retention Rating	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	2.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Product Specifications

Product Size	24" X 24" Tile (18" x 18" and 36" x 36" also available)	
Total Product Thickness	0.315 in (8.0010 mm)	
Pattern Scale	Medium	
Pattern Type	Linear	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 16	
Primary Backing	Non-woven synthetic fiber	
Construction	Stratatec® Patterned Loop	
GSA	Yes	
Price Range	\$	
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	9.8 stitches / inch	38.6 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	TDX® Nylon	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
TARR	3.5 Severe Traffic Classification per CRI Texture Appearance Retention Rating	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Platinum	
Electrostatic Propensity	1.9 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	

Jhane Barnes



Environmental Attributes

Total Recycled Content	55.3% (38.1% Pre-Consumer; 17.2% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP1366
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Quarter Turn / Random / Vertical Ashlar - 18" X 36"
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Warranty Information

SPECIFICATIONS

Warranty Information

Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

Product Specifications

Product Size	6' Roll	1.8 m
Total Product Thickness	0.384 in (9.7536 mm)	
Pattern Scale	Medium	
Pattern Type	Linear	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 16	
Primary Backing	Non-woven synthetic fiber	
Construction	Stratatec® Patterned Loop	
GSA	Yes	
Price Range	\$	
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	9.8 stitches / inch	38.6 stitches/10 cm
Pile Height Average	0.187 inch	4.8 mm
Fiber System	TDX® Nylon	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
TARR	3.5 Severe Traffic Classification per CRI Texture Appearance Retention Rating	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Gold	
Electrostatic Propensity	1.9 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	

Jhane Barnes


Environmental Attributes

Total Recycled Content	8.9% (.0% Pre-Consumer; 8.9% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP9744
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Quarter Turn / Random / Vertical Ashlar - 18" X 36"
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Warranty Information

SPECIFICATIONS

Warranty Information

Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.

Product Specifications

Product Size	24" X 24" Tile (18" x 18" and 36" x 36" also available)	□
Total Product Thickness	0.222 in (5.6388 mm)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 14	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$\$	
Face Weight	20 oz/sq yd	678 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	9.5 stitches / inch	37.4 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	TDX® Nylon	
Dye Method	60% Solution Dyed / 40% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Platinum	
Electrostatic Propensity	2.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	

Environmental Attributes

Total Recycled Content	52.8% (36.3% Pre-Consumer; 16.5% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP1366
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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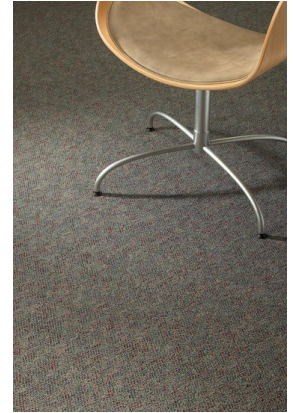
Warranty Information

Warranty Information	Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.
Portable, Modular and Pre-Fabricated Solutions - Piggyback No. 5	



Product Specifications

Product Size	6' Roll	1.8 m
Total Product Thickness	0.291 in (7.3914 mm)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 14	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$\$	
Face Weight	20 oz/sq yd	678 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	9.5 stitches / inch	37.4 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	TDX® Nylon	
Dye Method	60% Solution Dyed / 40% Yarn Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Gold	
Electrostatic Propensity	2.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick	



Environmental Attributes

Total Recycled Content	8.2% (.0% Pre-Consumer; 8.2% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP9744
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Warranty Information

Warranty Information	Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.
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Product Specifications

Product Size	6' Roll	1.8 m
Total Product Thickness	0.291 in (7.3914 mm)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Coordinate Group 14	
Primary Backing	Non-woven synthetic fiber	
Construction	Level Loop	
GSA	Yes	
Price Range	\$\$	
Face Weight	18 oz/sq yd	610.2 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.3 stitches / inch	32.7 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	Antron® Legacy Nylon	
Dye Method	50% Solution Dyed / 50% Yarn Dyed	
Fluorine-Free Soil Protection	DuraTech®	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 60 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Third Party Certification NSF-140	Gold	
Electrostatic Propensity	1.6 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	
Wet Spread	Backing specific Tandus Adhesives	



Environmental Attributes

Total Recycled Content	8.5% (.0% Pre-Consumer; 8.5% Post-Consumer)
Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
CRI Green Label Plus Certification	GLP9744
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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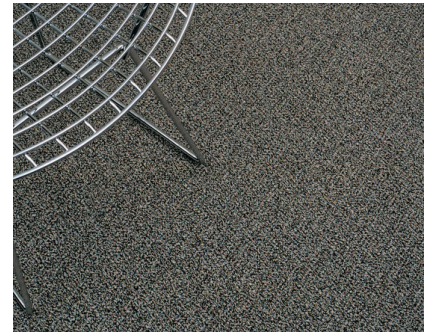
Warranty Information

Warranty Information	Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering and backing resiliency loss.
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Product Specifications

Product Size	6' Roll and 24" x 24" Tile (18" x 18", 18" x 36" and 36" x 36" also available)	
Pattern Scale	Small	
Pattern Type	Texture	
Coordinating Group	Textures	
Primary Backing	Non-woven synthetic fiber	
Construction	Textured Loop	
Price Range	\$	
Face Weight	18 oz/sq yd	610.2 g/sq m
Gauge	1/13	50.4 rows/ 10 cm
Stitches Per Inch	8.8 stitches / inch	34.6 stitches/10 cm
Pile Height Average	0.117 inch	3.0 mm
Fiber System	TDX/E Nylon	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	1.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Monolithic / Vertical Ashlar - 18" X 36"
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Product Specifications

Product Size	24" x 24" Tile		
Stain Resistance	>8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)		
Dynex SD Stain Warranty	Lifetime Limited Stain Resistance Dynex SD Stain		
Platform Sizes	24" x 24" Tile		
Pattern Scale	Large		
Pattern Type	Geometric		
Collection	Big City Bright Lights		
Coordinating Group	Coordinate Group 6		
Primary Backing	Non-woven synthetic fiber		
Construction	Stratatec/E Patterned Loop		
GSA	Yes		
Price Range	\$		
Gauge	5/64		50.4 rows/ 10 cm
Stitches Per Inch	10.0 stitches / inch		39.4 stitches/10 cm
Pile Height Average	0.187 inch		4.8 mm
Fiber System	Dynex SD/E Nylon(Permanent Stain Resistance)		
Dye Method	100% Solution Dyed		
Fluorine-Free Soil Protection	Eco-Ensure		
Pattern Match	Not required		
TARR	3.8 Severe Traffic Classification per CRI Texture Appearance Retention Rating		
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)		
Soil Protection	Application rate: 2% of face weight		
Electrostatic Propensity	1.8 kV (AATCC 134); Permanent Conductive Fiber		
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)		
Smoke Generation	Less than 450 (ASTM E-662)		

Big City Bright Lights



Environmental Attributes

Recycled Content	Yes
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Quarter Turn / Horizontal Ashlar / Random
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Product Specifications

Reclamation	100% recyclable in the ReStartÆ Program	
Product Size	6' Roll and 24" x 24" Tile	
Platform Sizes	6' Roll, 24" x 24" Tile	
Pattern Scale	Medium	
Pattern Type	Geometric	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 16	
Primary Backing	Non-woven synthetic fiber	
Construction	StratatecÆ Patterned Loop	
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	10.0 stitches / inch	39.4 stitches/10 cm
Pile Height Average	.187 inch	4.7 mm
Fiber System	Antron LumenaÆ Nylon	
Dye Method	Solution Dyed	
Fluorine-Free Soil Protection	DuraTechÆ	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	3.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	

Jhane Barnes



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

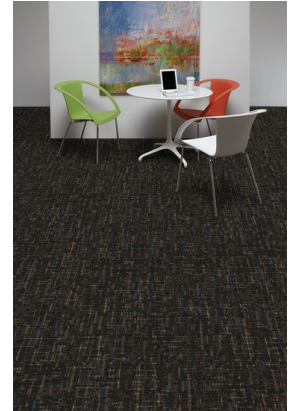
Installation Method	Vertical Ashlar
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Product Specifications

Reclamation	100% recyclable in the ReStart® Program	
Product Size	6' Roll and 24" x 24" Tile	
Platform Sizes	6' Roll, 24" x 24" Tile	
Pattern Scale	Medium	
Pattern Type	Geometric	
Collection	Jhane Barnes	
Coordinating Group	Coordinate Group 16	
Primary Backing	Non-woven synthetic fiber	
Construction	Stratatec® Patterned Loop	
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	10.0 stitches / inch	39.4 stitches/10 cm
Pile Height Average	.187 inch	4.7 mm
Fiber System	Antron Lumena® Nylon	
Dye Method	Solution Dyed	
Fluorine-Free Soil Protection	DuraTech®	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	3.0 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	

Jhane Barnes



Environmental Attributes

Recycled Content	Yes
ER3 Note	Recycled content percentages are third-party certified annually based on the prior year's formulations and use. Recycled content specifications may be changed without notice when formulations are modified due to, for example, new manufacturing capabilities, environmental efficiencies, or postconsumer market availability.
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Vertical Ashlar
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Product Specifications

Reclamation	100% recyclable in the ReStartÆ Program	
Product Size	24" x 24" Tile	
Stain Resistance	>8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)	
Dynex SD Stain Warranty	Lifetime Limited Stain Resistance Dynex SD Stain	
Platform Sizes	24" x 24" Tile	
Pattern Scale	Large	
Pattern Type	Geometric	
Coordinating Group	Coordinate Group 6	
Primary Backing	Non-woven synthetic fiber	
Construction	StratatecÆ Patterned Loop	
GSA	Yes	
Gauge	5/64	50.4 rows/ 10 cm
Stitches Per Inch	11.6 stitches / inch	45.7 stitches/10 cm
Pile Height Average	.187 inch	4.7 mm
Fiber System	Dynex SDÆ Nylon(Permanent Stain Resistance)	
Dye Method	100% Solution Dyed	
Fluorine-Free Soil Protection	Eco-Ensure	
Pattern Match	Not required	
Colorfastness to Light	> 4 after 100 hours (AATCC 16E)	
Soil Protection	Application rate: 2% of face weight	
Electrostatic Propensity	1.9 kV (AATCC 134); Permanent Conductive Fiber	
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)	
Smoke Generation	Less than 450 (ASTM E-662)	



Environmental Attributes

Recycled Content	Yes
Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)

Performance Testing

Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
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Installation Methods

Installation Method	Vertical Ashlar
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VENUE SERIES
VENUE ABSTRACT (UVA)

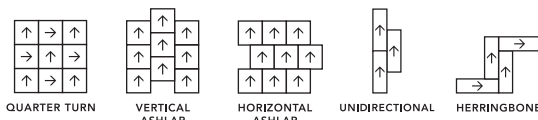
SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	20 mil (0.5 mm)
Edge Treatment:	Square (SE)
Emboss:	Standard
	Quarry (QU) (Concrete, Criss Cross)
	Linear Wood (LW) (Fine Lines, Tread)

Warranty:	10-Year Limited Commercial Wear Warranty
Colors:	21
Adhesive:	CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:

Product specific.

Please see tandus-centiva.com for more information.

Product shown: UVA 5103

SIZES

Concrete	18"x18" (45.72 cm x 45.72 cm)	Criss Cross	18"x18" (45.72 cm x 45.72 cm)	Fine Lines & Tread	18"x18" (45.72 cm x 45.72 cm)
	36"x36" (91.44 cm x 91.44 cm)		36"x36" (91.44 cm x 91.44 cm)		6"x36" (15.24 cm x 91.44 cm)
	6"x36" (15.24 cm x 91.44 cm)				

TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF \geq 0.45 watts/cm ² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	30% Preconsumer
Materials:	No Heavy Metals; Non-Toluene Ink System
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
Recyclability:	100% Recyclable through our ReStart® Program
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring
Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System
Third-party Certification:	NSF/ANSI-332 Silver
Packaging:	Packaged in recycled, corrugated cardboard

QUICKSHIP PROGRAM

All Venue Series products

Select colors available

LEED v4
MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations
MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials
MRc5 Construction and Demolition Waste Management
IEQc2 Low-Emitting Materials



PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/EL NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.



TILE + PLANK

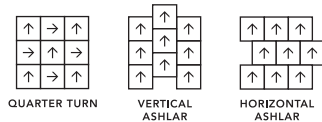
VENUE SERIES
VENUE STONE (UVS)

Tandus Centiva

A Tarkett Company

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	20 mil (0.5 mm)
Edge Treatment:	Square (SE)
Emboss:	Standard Quarry (QU) (all but Slate products, see below) Slate (SL) (SL61, SL64, SL65, SL72, SL78 only)
Warranty:	10-Year Limited Commercial Wear Warranty
Colors:	12
Adhesive:	CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:

Product shown: UVS 7240

SIZES	12"x24" (30.48 cm x 60.96 cm) 18"x18" (45.72 cm x 45.72 cm)
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TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF≥0.45 watts/cm² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	30% Preconsumer
Materials:	No Heavy Metals; Non-Toluene Ink System
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
Recyclability:	100% Recyclable through our ReStart® Program
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring

Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System
Third-party Certification	NSF/ANSI-332 Silver

Packaging:	Packaged in recycled, corrugated cardboard
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QUICKSHIP PROGRAM

All Venue Series products

Select colors available

LEED v4
 MRc2 Building Product Disclosure and Optimization – Environmental Product Declarations
 MRc3 Building Product Disclosure and Optimization – Sourcing of Raw Materials
 MRc5 Construction and Demolition Waste Management
 IEQc2 Low-Emitting Materials



PRODUCT CERTIFIED
 FOR REDUCED ENVIRONMENTAL IMPACT.
 VIEW SPECIFIC ATTRIBUTES EVALUATED:
 UL.COM/EL
 NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

Tandus Centiva

A Tarkett Company

LVT

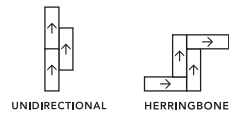
TILE + PLANK

VENUE SERIES
VENUE WOOD (UVP)

SPECIFICATIONS

Classification:	ASTM F1700 Class III Type B
Total Thickness:	0.120" (3.0 mm)
Wear Layer Thickness:	20 mil (0.5 mm)
Edge Treatment:	Square (SE)
Emboss:	Standard
<i>Product specific. Please see tandus-centiva.com for more information.</i>	Weathered Grain (WG) Linear Wood (LW) Cross Grain (CG)
Warranty:	10-Year Limited Commercial Wear Warranty
Colors:	25
Adhesive:	CENTI 2001 Wet Set, CENTI 6000 SP, CENTI 2000 EP or other Tandus Centiva LVT preferred adhesives.

Installation Methods:



SIZES	4" x 36" (10.16 cm x 91.44 cm) 6" x 36" (15.24 cm x 91.44 cm) 6" x 48" (15.24 cm x 121.92 cm)
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TESTING

Flexibility:	ASTM F137	Passes
Dimensional Stability:	ASTM F2199	Passes
Static Load:	ASTM F970	Passes
Residual Indentation:	ASTM F1914	Excellent
Flammability:	ASTM E648	CRF≥0.45 watts/cm² NFPA Class 1
Slip Resistance:	ASTM D2047	Passes >0.5 ADA Compliant
Smoke Density:	ASTM E662	Passes <450 D ^{MC}
Resistance to Light:	ASTM F1515	Excellent
Chemical Resistance:	ASTM F925	Excellent
Resistance to Heat:	ASTM F1514	Excellent

ENVIRONMENTAL DATA

Recycled Content:	30% Preconsumer
Materials:	No Heavy Metals; Non-Toluene Ink System
Indoor Air Quality:	Meets CDPH Standard Method v1.1-2010; FloorScore® Certification
Recyclability:	100% Recyclable through our ReStart® Program
LEED Scoreboard:	LEED 2009 MRc2 Construction Waste Management MRc4 Recycled Content MRc5 Regional Materials IEQ 4.1 Low-Emitting Adhesives IEQ 4.3 Low-Emitting Materials Flooring
Manufacturing:	Made in the USA ISO 9001 Quality Management System ISO 14001 Environmental Management System OHSAS 18001 Occupational Health and Safety Management System
Third-party Certification:	NSF/ANSI-332 Silver
Packaging:	Packaged in recycled, corrugated cardboard

QUICKSHIP PROGRAM



All Venue Series products



Select colors available

LEED v4

MRc2 Building Product Disclosure and Optimization –
Environmental Product Declarations
MRc3 Building Product Disclosure and Optimization –
Sourcing of Raw Materials
MRc5 Construction and Demolition Waste Management
IEQc2 Low-Emitting Materials



PRODUCT CERTIFIED
FOR REDUCED ENVI-
RONMENTAL IMPACT.
VIEW SPECIFIC ATTRI-
BUTES EVALUATED:
UL.COM/EL
NSF 332

- For samples, warranties and more information, visit tandus-centiva.com or call 800.248.2878.
- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice.
- Chair glides are recommended for optimum textural performance. Absent the use of chair glides, more intensive maintenance will be required for areas in direct contact with furniture footing, and some degree of appearance change is to be expected.

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Carpet	Carpet Tile - Abrasive Action II, 24oz, 18"x18"	SY	\$55.50
Carpet	Carpet Tile - Abrasive Action II, 24oz, 24"x24"	SY	\$55.50
Carpet	Carpet Tile - Abrasive Action II, 24oz, 36"x36"	SY	\$55.50
Carpet	Carpet Tile - Aftermath I, 17oz, 18"x18"	SY	\$35.45
Carpet	Carpet Tile - Aftermath I, 17oz, 18"x36"	SY	\$35.45
Carpet	Carpet Tile - Aftermath I, 17oz, 24"x24"	SY	\$35.45
Carpet	Carpet Tile - Aftermath I, 17oz, 36"x36"	SY	\$35.45
Carpet	Carpet Tile - Applause III, 18oz, 18"x18"	SY	\$35.06
Carpet	Carpet Tile - Applause III, 18oz, 24"x24"	SY	\$35.06
Carpet	Carpet Tile - Applause III, 18oz, 36"x36"	SY	\$35.06
Carpet	Carpet Tile - City Walk, 12oz, 24"x24"	SY	\$30.75
Carpet	Carpet Tile - ColorMap 20oz, 18"x18"	SY	\$43.45
Carpet	Carpet Tile - ColorMap 20oz, 24"x24"	SY	\$43.45
Carpet	Carpet Tile - ColorMap 20oz, 36"x36"	SY	\$43.45
Carpet	Carpet Tile - Color Spectrum, 18oz, 18"x18"	SY	\$39.78
Carpet	Carpet Tile - Color Spectrum, 18oz, 18"x24"	SY	\$39.78
Carpet	Carpet Tile -Color Spectrum, 18oz, 24"x24"	SY	\$39.78
Carpet	Carpet Tile - Color Spectrum, 18oz, 36"x36"	SY	\$39.78
Carpet	Carpet Tile - Forward Motion, 14oz, 18"x18"	SY	\$34.75
Carpet	Carpet Tile -Forward Motion, 14oz, 18"x36"	SY	\$34.75
Carpet	Carpet Tile - Forward Motion, 14oz, 24"x24"	SY	\$34.75
Carpet	Carpet Tile -Forward Motion, 14oz, 36"x36"	SY	\$34.75
Carpet	Carpet Tile - Haphazard II, 14oz, 18"x18"	SY	\$35.15
Carpet	Carpet Tile - Haphazard II, 14oz, 18"x36"	SY	\$35.15

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Carpet	Carpet Tile - Haphazard II, 14oz, 24"x24"	SY	\$35.15
Carpet	Carpet Tile - Haphazard II, 14oz, 36"x36"	SY	\$35.15
Carpet	Carpet Tile - Infinity, 20oz, 18"x18"	SY	\$46.33
Carpet	Carpet Tile - Infinity, 20oz, 18"x36"	SY	\$46.33
Carpet	Carpet Tile - Infinity, 20oz, 24"x24"	SY	\$46.33
Carpet	Carpet Tile -Infinity, 20oz, 36"x36"	SY	\$46.33
Carpet	Carpet Tile -Street Life, 12oz, 24"x24"	SY	\$30.74
Carpet	Carpet Tile -Syllabus, 14oz, 24"x24"	SY	\$35.80
Carpet	Carpet Tile -Urban View, 10oz, 24"x24"	SY	\$29.50
Carpet	Carpet Roll Goods - Abrasive Action, 24oz, 6'	SY	\$60.75
Carpet	Carpet Roll Goods - Aftermath II, 17oz, 6'	SY	\$30.53
Carpet	Carpet Roll Goods - Applause III, 18oz, 6'	SY	\$30.76
Carpet	Carpet Roll Goods - Aragon, 20oz, 6'	SY	\$34.25
Carpet	Carpet Roll Goods - ColorMap, 20oz, 6'	SY	\$36.90
Carpet	Carpet Roll Goods - Custom Crayon, 18oz, 6'	SY	\$35.80
Carpet	Carpet Roll Goods - Forward Motion, 14oz, 6'	SY	\$34.30
Carpet	Carpet Roll Goods - Haphazard II, 14oz, 6'	SY	\$32.75
Carpet	Carpet Roll Goods - Infinity, 20oz, 6'	SY	\$38.95
Carpet	Carpet Roll Goods - Runaway II, 18oz, 6'	SY	\$37.88
Carpet	Carpet Roll Goods - Sentinel II, 18oz, 6'	SY	\$37.70
Carpet	Carpet Roll Goods - Syllabus, 14oz, 6'	SY	\$32.80
Carpet	Carpet Tile - Desso Axminster	SY	\$36.85
Carpet	Carpet Roll Goods - Desso Colorpoint Broadloom 12'	SY	\$38.42
Carpet	Carpet Roll Goods - Desso ChromoJet Printed, 12'	SY	\$38.42

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Carpet	Geo Tile Matting 18"x18" dry back modular tile	SY	\$110.29
Carpet	Geo Tile - Abrasive Action 6' dry back roll goods	SY	\$65
Carpet	Geo Tile - Triad Mat (water hog) with trim 3'x4'	SY	\$225
Carpet	Geo Tile - Triad Mat (water hog) with trim 4'x6'	SY	\$445
Flooring	Life Tiles LVT, 6"x36", 3 mm, 36 SF per Case	Square Foot	\$406.50
Flooring	Eco-Grip Safety Flooring with Sundries, Pewter, Charcoal or Slate	Square Foot	\$18
Flooring	Floorazzo Gem 24"x24" Tile	Square Foot	\$24.50
Flooring	Floorazzo Marble 24"x24" Tile	Square Foot	\$24.50
Flooring	PurLine Organic Tile, 40 SF per Case	Square Foot	\$26.75
Flooring	PurLine Organic Roll Goods	Square Foot	\$23.75
Flooring	PurLine Organic Plank, 40 SF per Case	Square Foot	\$21.50
Flooring	Soliris Poolside Outdoor Nonslip Vinyl Roll Goods	Square Foot	\$19.50
Flooring	Terratrax Roll Goods	Square Foot	\$26.50
Flooring	Playfall Tile 4' Fall Height, 1.75", 2'x2'	Square Foot	\$14.25
Flooring	Playfall Tile 6' Fall Height, 2.5", 2'x2'	Square Foot	\$15.75
Flooring	Playfall Tile 8' Fall Height, 1.75", 2'x2'	Square Foot	\$16.25
Flooring	Playfall Tile 10' Fall Height, 2.5", 2'x2'	Square Foot	\$16.50
Flooring	Playfall Tile 12' Fall Height, 2.5", 2'x2'	Square Foot	\$17.00
Flooring	Playfall Tile 14' Fall Height, 2.5", 2'x2'	Square Foot	\$17.50
Flooring	Linoleum Tile 24"x24"	SF	\$7.50
Flooring	Linoleum Tile 12"x24"	SF	\$7.45
Flooring	Linoleum Tile 12"x12"	SF	\$7.25
Flooring	Linoleum Sheet – 2.5mm	SY	\$55.65
Flooring	Static Dissipative Tile	SF	\$18.75
Flooring	Marmolette Tile	SF	\$8.50
Flooring	Marmoleum Sheet	SY	\$58.45

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring	LinoArt Tile	SF	\$6.25
Flooring	LinoArt Sheet	SY	\$52.25
Flooring	Standard Excellon VCT	SF	\$2.25
Flooring	Quarry Tile, Reb Blaze Q40 6" x 6"	SF	\$7.25
Flooring	Quarry Tile Q40 Cove Base 6" x 6"	SF	\$8.15
Flooring	Quarry Tile, Blaze Flash Q41 6" x 6"	SF	\$7.25
Flooring	Quarry Tile, Q41 Cove Base 6" x 6"	SF	\$8.15
Flooring	Quarry Tile, Arid Gray Q42 6" x 6"	SF	\$7.28
Flooring	Quarry Tile, Q42 Cove Base 6" x 6"	SF	\$8.29
Flooring	Quarry Tile, Arid Flash Q43 6" x 6"	SF	\$8.55
Flooring	Quarry Tile, Q43 Cove Base 6" x 6"	SF	\$8.78
Flooring	Linoleum/Marmoleum, 2.0mm- MCT (VCT Alternative)	SF	\$6.85
Flooring	Linoleum/Marmoleum, 2.0mm- MCS (Sheet)	Per Roll	\$5,524
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Real	Per Roll	\$6,245
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Fresco	Per Roll	\$6,320
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Concrete	Per Roll	\$6,261
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Vivace	Per Roll	\$6,181
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Piano	Per Roll	\$6,296
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Striato	Per Roll	\$6,328
Flooring	Linoleum/Marmoleum, 2.5mm Sheet- Marmoleum Textura	Per Roll	\$6,337
Flooring	Linoleum/Marmoleum, 2.5mm Tile- Marmoleum Modular Tile	SY	\$63.48
Flooring	Linoleum/Marmoleum, 2.5mm Tile- Marmoleum Modular Striato	SY	\$63.27
Flooring	Linoleum/Marmoleum, Marmoleum Adhesive- S885 (goes to 85% RH)	5 Gal / 450-500 SF	\$425
Flooring	Luxury Vinyl Tile - Contour Series, 9"x36"	SF	\$6
Flooring	Luxury Vinyl Tile -Contour Series, 18"x18"	SF	\$6
Flooring	Luxury Vinyl Tile -Contour Series, 18"x36"	SF	\$6
Flooring	Luxury Vinyl Tile -Contour Series, 24"x24"	SF	\$6
Flooring	Luxury Vinyl Tile -Contour Series, 36"x36"	SF	\$6

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring	Luxury Vinyl Tile -Event Series, 4"x36"	SF	\$3.75
Flooring	Luxury Vinyl Tile -Event Series, 6"x36"	SF	\$3.75
Flooring	Luxury Vinyl Tile -Venue Series, 4"x36"	SF	\$3.55
Flooring	Luxury Vinyl Tile -Venue Series, 6"x36"	SF	\$3.55
Flooring	Luxury Vinyl Tile -Venue Series, 6"x48"	SF	\$3.55
Flooring	Luxury Vinyl Tile -Venue Series, 12"x24"	SF	\$3.55
Flooring	Luxury Vinyl Tile -Venue Series, 18"x18"	SF	\$3.55
Flooring	Luxury Vinyl Tile -Venue Series, 36"x36"	SF	\$3.55
Flooring	Rubber Surfacing, Special Ed- 20" 2.7mm Hammered Surface Tile in 6 colors	SF	\$14.50
Flooring	Rubber Surfacing, Special Ed- 2mm smooth surface sheet	SF	\$13.75
Flooring	Rubber Surfacing, Standard Line- Noraplan Eco 2mm	SF	\$9.25
Flooring	Rubber Surfacing, Standard Line- Noraplan Envirocare 3mm, limited colors	SF	\$13.25
Flooring	Rubber Surfacing, Standard Line- Norament Grano	SF	\$16.25
Flooring	Rubber Surfacing, Specialty- Norament stair treads, solid color, landed	Each	\$65.20
Flooring	Rubber Surfacing, Specialty- 992 weight room flooring, solid color	SF	\$22.50
Flooring	Rubber Surfacing, Specialty- 992 weight room flooring, Grano	SF	\$23.75
Flooring Accessories	Life Tiles Adhesive	Each	\$426.21
Flooring Accessories	Multi-Poxy Adhesive for Roll Goods	4-Gallon	\$510.11
Flooring Accessories	Legacy Entry Grille Mat Roll Goods	Square Foot	\$65.24
Flooring Accessories	Legacy Entry Grille Mat Outdoor Adhesive	Gallon	\$240.81
Flooring Accessories	Perma Bond Adhesive	4-Gallon	\$629.12
Flooring Accessories	Outdoor Adhesive	Gallon	\$592.66
Flooring Accessories	Playfall Tile Adhesive	Gallon	\$485.72
Flooring Accessories	Safety Zone Ramps – Non-Slip	Each	Inquire
Flooring Accessories	Wall Base	LF	\$4.25
Flooring Accessories	S-761 Seam Adhesive (Tube)	Each	\$48.25
Flooring Accessories	S-799 Linoleum Adhesive (Up to 95 RH)	Per Gallon	\$355.20

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring Accessories	Rubber Surfacing, Adhesive- 485 acrylic adhesive, 4 gallon	Per Pail	\$258.35
Flooring Accessories	Rubber Surfacing, Adhesive- Nora Dry-Fix tape	SF	\$415.20
Flooring Accessories	Rubber Surfacing, Adhesive- nTx 100% RH peel-and-stick system	SF	\$2.25
Flooring Accessories	Rubber Surfacing, Adhesive- Nora maintenance pads 1	Per Gallon	\$520.12
Flooring Accessories	Rubber Surfacing, Adhesive- Nora maintenance pads 2	Per Gallon	\$542.76
Flooring Accessories	Marmoleum Adhesive- S1195 (goes to 95% RH)	5 Gal / 450-500 SF	\$487.20
Flooring Accessories	Entry Mat 8850, 4-Sided with Reducer	Square Foot	\$134.27
Sports Flooring	DropZone Speckle Interlocking Tile, 23"x23", 8mm	Square Foot	\$48.25
Sports Flooring	DropZone Speckle Roll Goods, 8mm	Square Foot	\$46.25
Sports Flooring	DropZone Comfort Roll Goods, 14.5mm	Square Foot	\$65.70
Sports Flooring	DropTile 1" Tile with Locking Pins, 2'x2' = 4 SF per Tile	Square Foot	\$42.75
Sports Flooring	OmniSports and Accessories ,Compact 2.0	SY	\$42.00
Sports Flooring	OmniSports and Accessories ,Omniports 3.5	SY	\$42.50
Sports Flooring	OmniSports and Accessories ,Omniports 5.0	SY	\$53.25
Sports Flooring	OmniSports and Accessories ,Omniports 6.5	SY	\$62.00
Sports Flooring	OmniSports and Accessories ,Omniports 8.3	SY	\$66.00
Sports Flooring	OmniSports and Accessories ,Welding Rod	SY	\$77.00
Sports Flooring	OmniSports and Accessories ,Tarkolay (moisture barrier)(not w/2.0)*	SY	\$21.00
Sports Flooring	OmniSports and Accessories ,Lumaflex (Plywood)	SY	\$95.75
Sports Flooring	OmniSports and Accessories ,Lumaflex (1/2" foam)	SY	\$16.90
Sports Flooring	OmniSports and Accessories ,HPL (4mm underlayment w/scrim) (requires OS Compact 2mm)	SY	\$48.00
Sports Flooring	OmniSports and Accessories ,Multi-Set Premium Acrylic adhesive**	SY	\$220.00
Sports Flooring	OmniSports and Accessories ,Multi-Poxy (Part A & Part B)***	SY	\$580.00
Sports Flooring	OmniSports and Accessories ,HS Sport Spray	SY	\$335.00
Sports Flooring	OmniSports and Accessories ,Tarkotape (double face tape)****	SY	\$1,584
Sports Flooring	OmniSports and Accessories ,Game Line Paint	SY	\$240.00
Sports Flooring	OmniSports and Accessories ,Polyurethane Primer	SY	\$170.00
Sports Flooring	Pre-Fabricated Dance Floor	SF	\$18.00

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring Application	Tile Layer	Hour	\$95
Flooring Application	Flooring Installer, Resilient	Hour	\$95
Flooring Application	Surface Preparation	Hour	\$95
Flooring Application	Application Specialist	Yard	\$12.00
Flooring Application	Powerbond Installation	Yard	\$9.00
Flooring Application	Powerbond Demolition/Disposal	Yard	\$6.00
Flooring Application	Carpet (Latex, Unibond, Vinyl) Demolition/Disposal	Linear Foot	\$7.00
Flooring Application	4" Wall Base Installation (includes demo of existing base)	Linear Foot	\$2.50
Flooring Application	Floor Preparation (includes sundries)	Hour	\$95.00
Flooring Application	Reducer	Linear Foot	\$2.00
Flooring Application	VCT Installation (includes adhesive)	Linear Foot	\$1.85
Flooring Application	No Wax Hardened Vinyl Installation (includes adhesives)	Linear Foot	\$3.50
Flooring Application	Sheet Vinyl (includes adhesives)	Linear Foot	\$25.00
Flooring Application	Sheet Rubber (includes epoxy adhesives)	Linear Foot	\$45.00
Flooring Application	Floating Panel Gym Floor Planks	Linear Foot	\$30.00
Flooring Application	Synthetic Gym Floor (sheet)	Linear Foot	\$25.00
Flooring Application	Rubber Tiles (includes adhesives)	Linear Foot	\$16.00
Flooring Application	Modular Furniture Lift	Linear Foot	\$95
Flooring Application	Asbestos Removal Application Specialist	Hour	\$95
Flooring Application	Resilient Tile Layer	Hour	\$95
Flooring Application	Material Handler	Hour	\$95
Flooring Application	The Finisher	Hour	\$95
Flooring Application	The Layer	Hour	\$95
Flooring Application	Site Assessment Evaluation	Hour	\$95
Flooring Application	Testing	Hour	\$95
Flooring Application	Floor Prep	Hour	\$95
Flooring Application	Epoxy	Square Foot	\$3.00
Flooring Application	LVT Installation	Square Foot	\$4.00

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring Application	Linoleum Installation Tile	Square Yard	\$24.00
Flooring Application	Linoleum Installation sheet	Square Yard	\$28.00
Flooring Application	6" Self Cove	Linear Foot	\$12.00
Flooring Application	Sheet Goods Inside Corners	Each	\$9.00
Flooring Application	Sheet Goods Outside Corners	Each	\$9.00
Flooring Application	Ceramic Tile Installation	Square Foot	\$18.00
Flooring Application	Heat Weld (seams) - Sheet Vinyl	Linear Foot	\$9.00
Flooring Application	Geo Tile Installation	Yard	\$13.00
Flooring Application	Install Abrasive Action	Yard	\$13.00
Flooring Application	Concrete grinding	Square Foot	\$8.00
Flooring Application	Install Glued Down Carpet	Yard	\$13.00
Flooring Application	Concrete sealing	Square Foot	\$7.00
Flooring Application	Carpet Tile Installation	Yard	\$13.00
Flooring Application	Sports Flooring Installation	Yard	\$24.00
Flooring Application	Vented Base Material	Linear Foot	\$48.00
Flooring Application	Vented Base Installation	Linear Foot	\$18.00
Flooring Application	Demo Unitary Backed Carpet	Yard	\$13.00
Flooring Application	Demo Hot Melt Carpet	Yard	\$13.00
Flooring Application	Demo Rubber Backed Carpet	Yard	\$12.00
Flooring Application	Demo Sheet Vinyl	Yard	\$23.00
Flooring Application	Demo Linoleum	Yard	\$25.00
Flooring Application	Demo VCT	Square Foot	\$4.60
Flooring Application	Demo LVT	Square Foot	\$5.95
Flooring Application	Stair Installation	Linear Foot	\$30.00
Flooring Application	Install VI Stripe	Linear Foot	\$25.00
Flooring Application	Moisture Mitigation Application and Material	Square Foot	\$8.00
Flooring Application	Moisture Testing	Square Foot	\$250.00
Flooring Application	2.5" Wall Base Installation	Linear Foot	\$3.00

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring Application	6" Wall Base Installation	Linear Foot	\$3.00
Flooring Application	Wood Sub Flooring	Square Foot	\$42.50
Flooring Application	Static Dissipative Tile	Square Foot	\$12.25
Flooring Application	Carpet Tile	Square Yard	\$13.50
Flooring Application	Heat Welding	Foot	\$466.85
Flooring Application	Reducer Strips	Linear Foot	\$3.00
Flooring Application	VI Stripe	Linear Foot	\$12.00
Flooring Application	Skirting	Linear Foot	\$6.00
Flooring Application	Nosings	Linear Foot	\$18.00
Flooring Application	Linoleum	Square Foot	\$26.00
Flooring Application	Quartz Tile	Square Foot	\$18.00
Flooring Application	Risers	Linear Foot	\$6.00
Flooring Application	Waxing	Foot	\$6.00
Flooring Application	Polished concrete	Foot	\$19.00
Flooring Application	Floor Grinding	Foot	\$7.50
Flooring Application	Bead Blasting	Square Foot	\$18.00
Flooring Application	Demo VCT	Square Yard	\$42.00
Flooring Application	Demo Carpet Glued Down	Square Yard	\$9.00
Flooring Application	Demo Sheet Vinyl	Square Yard	\$23.00
Flooring Application	Demo Linoleum	Square Yard	\$25.00
Flooring Application	Demo Carpet Over Pad	Square Yard	\$12.00
Flooring Application	Demo Hot Meet Carpet	Square Yard	\$12.00
Flooring Application	Demo Unitary Backed Carpet	Square Yard	\$13.00
Flooring Application	Demo Rubber Tile	Square Foot	\$9.00
Flooring Application	Demo Rubber Sheet	Square Foot	\$9.00
Flooring Application	Skim Coat	Square Foot	\$5.00
Flooring Application	Demo Over Wood Subfloor	Square Foot	\$9.00
Flooring Application	Wood Sheeting Installation	Square Foot	\$28.00

PRICING MATRIX

FLOORING			
Product Description		UOM	Price
Flooring Application	Wood sheeting Demo	Square Foot	\$25.00
Flooring Application	Installation Rubber Tile	Square Foot	\$9.00
Flooring Application	Installation Rubber Sheet	Square Yard	\$22.00
Flooring Application	Floor Leveling	Square Foot	\$8.00
Flooring Application	Installation Reducers	Linear Foot	\$3.00
Flooring Application	Self Cove	Linear Foot	\$9.00
Flooring Application	Line Painting Sports Floor	Linear Foot	\$32.00
Flooring Application	Moisture Testing	Hour	\$95.00
Flooring Application	Lift System	Square Yard	\$18.50
Flooring Application	Apply Floor Sealer	Square Foot	\$12.00
Flooring Application	Apply Floor Wax	Square Foot	\$9.00
Flooring Application	Installation Everlast Recycled Rubber 8mm Basic Gym Floor	Square Foot	\$6.00
Flooring Application	Installation Everlast Recycled Rubber Performance Rally Floor	Square Foot	\$6.00
Flooring Application	Installation Everlast Recycled Rubber Performance Monster Floor	Square Foot	\$6.00

PRICING MATRIX

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Boards: Floor to Ceiling Markerboard System [FCS]



For Wall to Wall Markerboard Panels Joined with a Concealed Spline

- The ideal solution for applications that require the absolute maximum amount of writing space.
- Porcelain-on-steel writing surfaces with a lifetime warranty.
- All extrusions are manufactured with high quality aluminum alloy to exacting specifications.
- Can be designed to fit any size room.



PLATINUM *Imagination made easy.™*

Suggested Specifications

PART 1: *general*

1.1 SECTION INCLUDES

- A. Porcelain-on-Steel Markerboards.
- B. Porcelain-on-Steel Chalkboards.

1.2 RELATED SECTIONS

- A. Section 06100 – Wood or Steel Blocking.
- B. Section 09000 – Gypsum Wall Board.
- C. Section 09720 – Vinyl Wall Coverings.
- D. Section 09900 – Paints and Coatings.

1.3 REFERENCES

- A. ASTM B221 – Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
- B. ASTM E84 – Test Method for Surface Burning and Characteristics of Building Materials.
- C. ASTM C540 – GlossTest for Porcelain Enamel Steel (Porcelain Enamel Institute PEI-501).

1.4 SUBMITTALS

- A. Submit products and samples under provisions of Section 01300.
- B. Product Data: Provide technical data for products specified. Include Material Safety Data Sheets, when applicable.
- C. Shop Drawings: Provide shop drawings for each type of visual display board specified including section details indicating trim, face, core and backing materials, dimensions, joint locations and special anchor details.
- D. Color Samples: Submit set of color chips displaying manufacturer's full range of colors and finishes.
- E. Product Samples: Submit samples not less than twelve inches square and framed on two adjacent sides, to illustrate materials, finish, color, and configuration of each type of visual display board required.
- F. Care and Maintenance Data: Provide data on cleaning requirements, stain removal, and recommended maintenance precautions.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Comply with manufacturer's instructions for handling and storage of Visual Display Boards.

1.6 PROJECT CONDITIONS

- A. Field measure prior to fabrication to ensure proper fit.
- B. General contractor to maintain proper climate before, during and after installation.

1.7 WARRANTY

- A. Submit manufacturer's "Life of Building" warranty, stating that under normal usage and maintenance, and when installed in accordance with manufacturer's instructions and recommendations, Porcelain-on-Steel Markerboards and Chalkboards are guaranteed for the life of the building.
- B. Warranty shall cover replacement of defective Porcelain-on-Steel Markerboards and Chalkboards due to discoloration, excessive fading of color, crazing, cracking or flaking. Warranty does not cover the cost of removal or reinstallation.

PART 2: *products*

2.1 MANUFACTURERS

- A. Provide visual display boards as manufactured by Platinum Visual Systems™, Corona, California. Tel.: (800)498-2990 Fax: (951)817-9900. Email: info@pvsusa.com. Website: www.pvsusa.com.
- B. Substitutions: See Section 01600 – Product Requirements.

[FCS SERIES]

SPECIFICATIONS

2.2 MARKERBOARDS AND CHALKBOARD MATERIALS

- A. Steel Face Sheets: Writing surface will be Writanium® 28 gauge steel face with porcelain enamel finish fused to the steel sheet using a continuous coil process.
 - 1. Markerboard and Chalkboard surface shall be fused at a temperature of 1450° and 1200° respectively.
 - 2. The gloss of the writing surface will not increase more than three units when subjected to wearability tests specified in testing procedures for 30 hours.
- B. Core Material: 1/2" particleboard.
- C. Backing Material: .005" aluminum backing sheet.
- D. Metal Trim and Accessories: 6063 aluminum alloy with a T5 temper.
- E. Adhesive: As recommended by manufacturer for project conditions.

2.3 PORCELAIN ON STEEL MARKERBOARDS AND CHALKBOARDS

- A. Provide Markerboards and Chalkboards for project from manufacturer's FCS Series.
 - 1. Metal trim and accessories: FCS Series aluminum extrusions with clear satin anodized finish.
 - a. Frame CH358: Channel frame with 3/4" face. No exposed fasteners permitted.
 - b. Chalktray CR310: Standard continuous solid magnetic chalktray with ribbed section and smoothly curved ends. Length to be 24". One per elevation.
 - c. Spline: Continuous aluminum stabilizing spline at each joint.
 - 2. Floor to Ceiling Markerboards and Chalkboards Panels:
 - a. Panel Sizes: Width to be 4' wide with equal size panels at ends. Height to be a maximum of 12' high.
 - b. Joints: Butt joint factory fired edges vertically to form smooth transition from panel to panel.
 - c. Splines: Panels to be factory milled to accept aluminum stabilizing spline at each joint.
 - 3. Size: As shown on drawings.
 - 4. Color: As selected from manufacturer's standard colors.

2.4 FABRICATION

- A. Laminate facing sheet and backing sheet to core material under pressure, using manufacturer's recommended adhesive.
- B. Provide factory-assembled visual display boards, except where sizes demand partial field assembly.
- C. Assemble units in one piece without joints, wherever possible. Where required dimensions exceed maximum panel size available, provide two or more pieces of equal length, as indicated on approved shop drawings. Assemble to verify fit at factory, then disassemble for delivery and final assembly at project site.

PART 3: *execution*

3.1 EXAMINATION

- A. Verify that substrates are properly prepared to receive visual display boards. Do not begin installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's installation instructions.
- B. Where visual display boards must be partly assembled at project site, use factory-supplied H-bar to maintain proper alignment.
- C. Install visual display boards level and plumb, keeping perimeter trim aligned in accordance with manufacturer's recommendations.

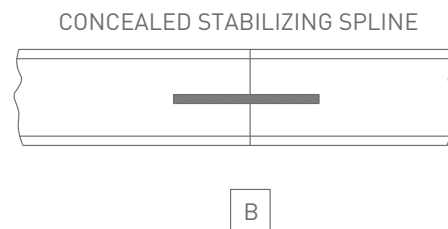
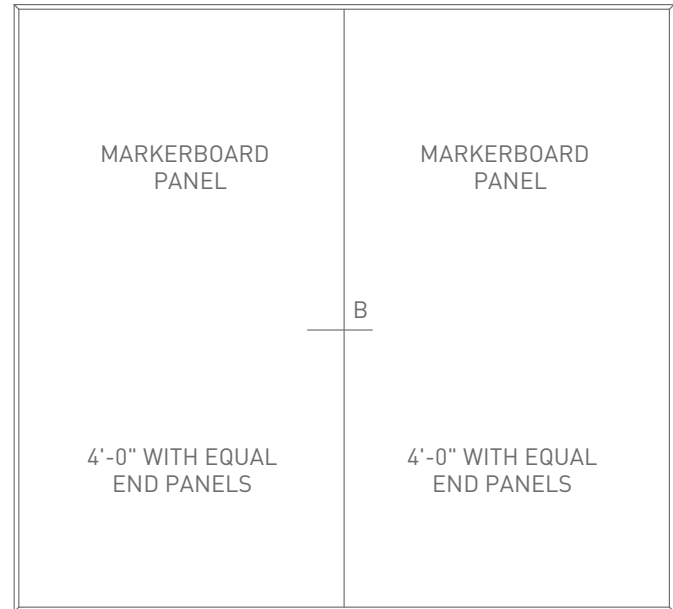
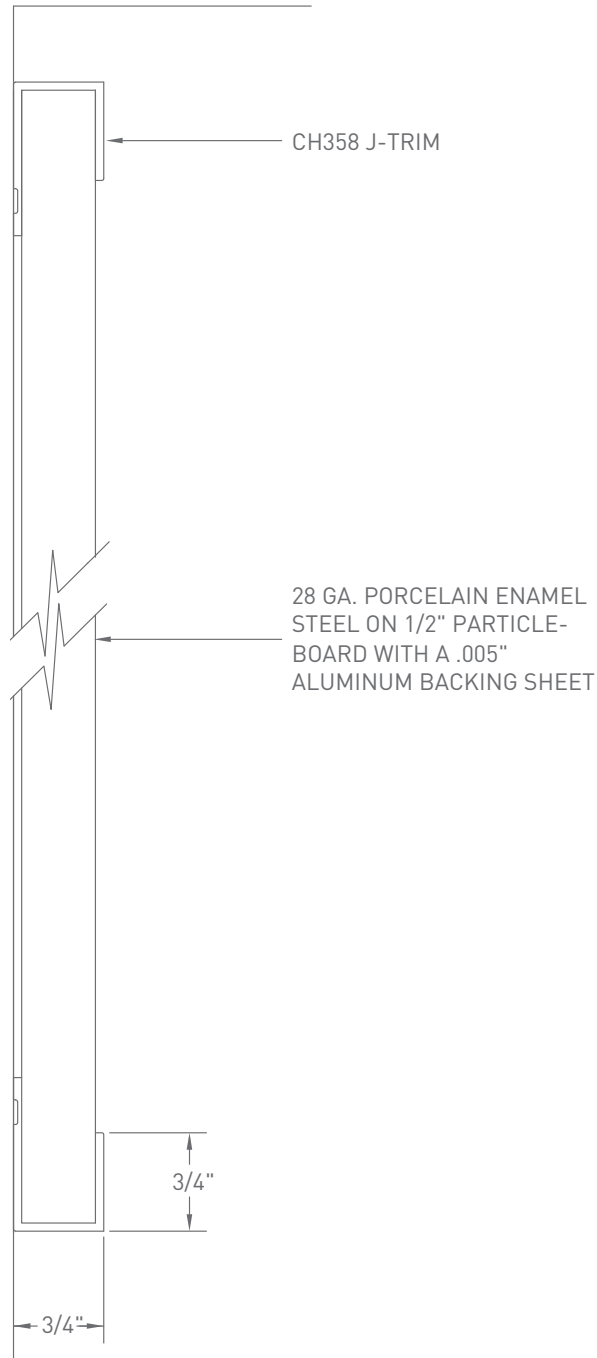
3.3 ADJUSTING AND CLEANING

- A. Verify that all accessories are installed as required for each unit.
- B. Upon completion of installation, clean surfaces and trim in accordance with manufacturer's recommendations, leaving all materials ready for use.

[FCS SERIES]

FCS: Specifications

FULL HEIGHT WRITING WALL



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PRICING MATRIX

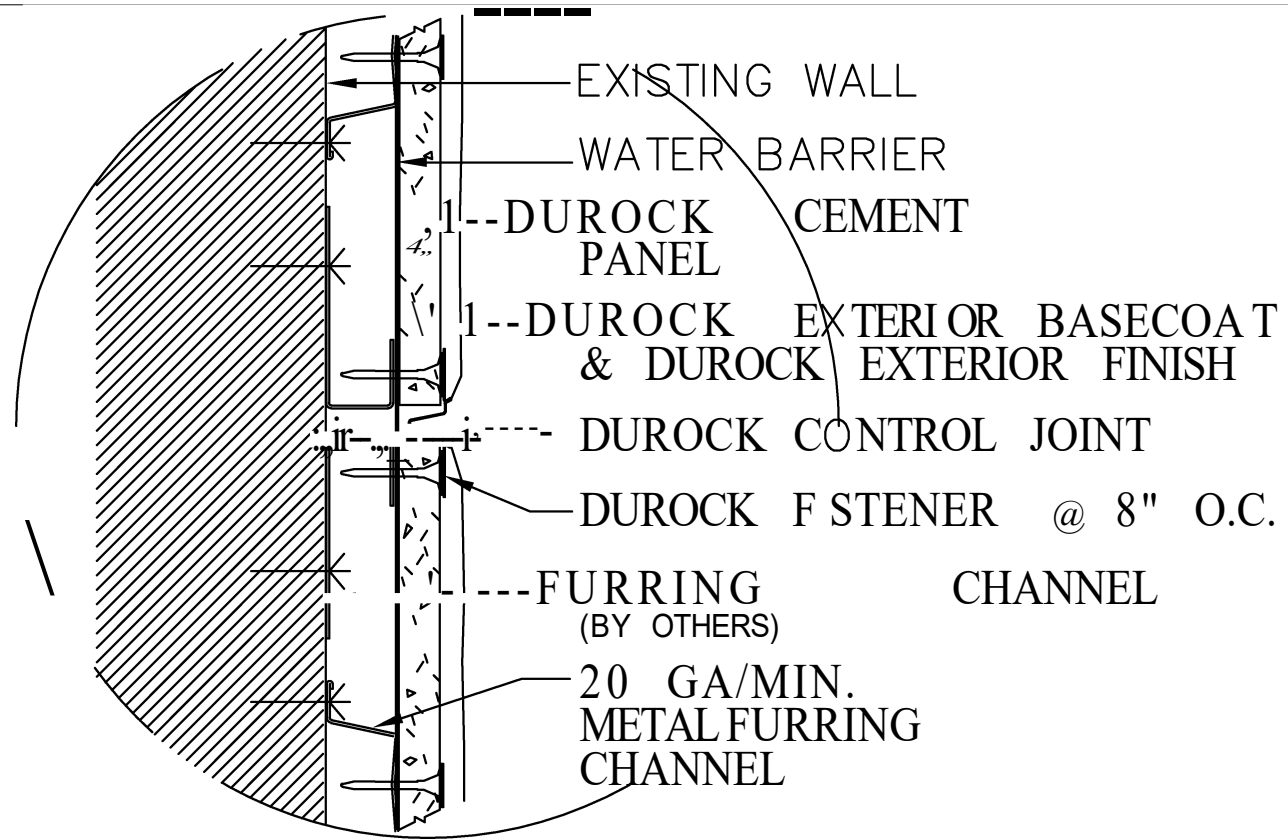
WHITEBOARDS, MONITORS, PROJECTORS, SMART BOARDS			
Product Description		UOM	Price
Short Throw Projector and Whiteboard Package	Ultra-Short Throw Interactive Projector	Each	\$3,750.50
Short Throw Projector and Whiteboard Package	White Board for Projection Surface	Each	\$895.00
Short Throw Projector, Whiteboard, and Speakers Package	Pair of ceiling speakers for T-bar application	Each	\$425.00
Short Throw Projector, Whiteboard, and Speakers Package	Ultra Short Throw Projector	Each	\$3,750.00
Short Throw Projector, Whiteboard, and Speakers Package	White Board for Projection Surface	Each	\$895.00
Short Throw Projector, Whiteboard, and Speakers Package	Sensor for paging system to override AV Speakers	Each	\$7,250.00
Short Throw Projector, Whiteboard, Speakers, and Secondary LED Monitor Package	Pair of ceiling speakers for T-bar application	Each	\$425.00
Short Throw Projector, Whiteboard, Speakers, and Secondary LED Monitor Package	Ultra Short Throw Projector	Each	\$3,750.00
Short Throw Projector, Whiteboard, Speakers, and Secondary LED Monitor Package	White Board for Projection Surface	Each	\$895.00
Short Throw Projector, Whiteboard, Speakers, and Secondary LED Monitor Package	Secondary Display TV on the Rear or Adjacent Wall	Each	\$7,250.00
Short Throw Projector, Whiteboard, Speakers, and Secondary LED Monitor Package	Sensor for paging system to override AV Speakers	Each	\$9,500.00
Interactive Touch Panel Displays	Mobile 65" interactive UHD LED display with 2.1 sound bar	Each	\$14,257.00
Interactive Touch Panel Displays	Mobile 75" interactive UHD LED display with 2.1 sound bar	Each	\$16,750.00
Interactive Touch Panel Displays	Mobile 84" interactive UHD LED display with 2.1 sound bar	Each	\$19,250.00
Interactive Touch Panel Displays	Mobile 55" interactive HD LED display	Each	\$10,750.00
Interactive Touch Panel Displays	Mobile 65" interactive HD LED display	Each	\$12,100.00
Interactive Touch Panel Displays	Wall Mount 65" interactive UHD LED display with 2.1 sound bar	Each	\$15,300.00
Interactive Touch Panel Displays	Wall Mount 75" interactive UHD LED display with 2.1 sound bar	Each	\$17,600.00

PRICING MATRIX

WHITEBOARDS, MONITORS, PROJECTORS, SMART BOARDS			
Product Description		UOM	Price
Interactive Touch Panel Displays	Wall Mount 84" interactive UHD LED display with 2.1 sound bar	Each	\$19,900.00
Interactive Touch Panel Displays	Wall Mount 55" interactive HD LED display	Each	\$11,150.00
Interactive Touch Panel Displays	Wall Mount 65" interactive HD LED display	Each	\$13,210.00
Ancillary Application	Electrician	Hour	\$150.00
Ancillary Application	AV Installer	Hour	\$150.00
Ancillary Application	Whiteboard Wall - Porcelain	SF	\$12.00

PRICING MATRIX

WALL



FURRED CONTROL JOINT DETAIL

SCALE: 3"=1'-0"

DATE: 2/8/94

DETAIL
SHEET

UNITED STATES GYPSUM COMPANY

This DUROCK CEMENT BOARD SYSTEM DETAIL must not be used without a complete evaluation by owner's design professional to verify the suitability of the design for a given structure.

SPECIFICATIONS

SECTION 10 11 43

TACKABLE WALLBOARD SYSTEMS

1. PART 1 GENERAL

1.1 WORK INCLUDED

- A. Tackable wall board.
- B. Vinyl trim.

1.2 REFERENCES

- A. ASTM C208 - Insulation Board (cellulose fiber)
- B. ASTM C557 - Adhesive for Fastening to Wood Framing.
- C. ASTM E84 - Test Method of Surface Burning Characteristics of Building Materials.
- D. ASTM D-1308 - Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- E. CFFA-W-101-B - Chemical fabrics and Film Association Quality Standard for Vinyl Coated Fabric Wallcovering.
- F. FS CCC-W-408 A and B - Wall Covering, Vinyl Coated.
- G. FS L-P-1040-B - Plastic Sheets and Strips (Polyvinyl Fluoride).
- H. UL - Underwriters Laboratories, Inc.

1.3 QUALITY ASSURANCE

- A. Applicator: Company specializing in Tackable Wallboard work with ten years documented experience.
- B. Stain Resistance: ASTM D1308, spot test open; shall show no staining by reagents when cleaned using soap and water.

1.4 REGULATORY REQUIREMENTS

- A. Conform to flame spread and smoke developed ratings of no more than 25/50 for vinyl fabric covered tack surfaces when tested in accordance with ASTM E84 by UL.

1.5 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Section 01 33 00.
- B. Provide product data on vinyl coated fabric and fiberboard.
- C. Submit samples under provisions of Section 01 33 00.
- D. Submit full range of manufacturers color selection for vinyl wallcovering specified.
- E. Submit test reports verifying flame/smoke ratings.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and protect products to site under provisions of Section 01 61 00.
- B. Deliver tackable wallboard panels to site in unbroken and undamaged factory wrappings, clearly labeled with manufacturers lot number.

SPECIFICATIONS

- C. Protect tackable wallboard panels from moisture during shipment, storage, and installation.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not begin installation of tackable wall board system until spaces have been enclosed and are ventilated and heated to maintain substrate surface temperature.
- B. Maintain constant temperature of no less than 60 degrees F and humidity level of 30 to 50 percent 72 hours prior to, during and after installation of the work of this section.

1.8 EXTRA STOCK

- A. Provide 25 lineal feet of each pattern and color of wallcovering under provisions of Section 01 77 00.
- B. Package and label each roll by manufacturer, color, and pattern, and designated room number; store where directed.
- C. Provide 50 lineal feet of vinyl panel trim under provisions of Section 01 77 00.
- D. Provide 10 panels of each pattern and color under provisions of Section 01 77 00.

1.9 LABOR WARRANTY REQUIREMENTS

- A. Contractor to provide labor warranty covering the cost of repairs resulting from improper installation of specified materials under the provisions of Section 01 78 36.

2. PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS - WALLBOARD SYSTEM

- A. ABC School Equipment Co., www.abcschoolequipment.com.
- B. Chatfield Clarke Co., www.chatfield-clarke.com.
- C. Fabricmate Systems, www.fabricmate.com.
- D. InWest Manufacturing, www.inwestmfg.com.
- E. Lamvin Inc., www.lamvin.com.
- F. LBI-Boyd, www.lbiboyd.com.
- G. Substitutions: Under provisions of Section 01 25 13.

2.2 ACCEPTABLE MANUFACTURERS - WALLCOVERING

- A. Koroseal Wallcoverings, www.koroseal.com
- B. Substitutions: Under provisions of Section 01 25 13.

2.3 MATERIALS - WALLCOVERING

- A. Wallcovering: Koroseal , conforming to FS CCC-W-A08 A and B and CFFA W-101-B for Type II vinyl wallcovering. Composition as follows:
 - 1. Total Weight 20 oz./In yd
 - 2. Roll Width 54 inches
 - 3. Fire Rating, ASTM E84: Class A
 - (a) Flame Spread 15
 - (b) Smoke Developed 20
 - 4. Pattern Colour & Design - Sabo
 - 5. Color 8-Lapis
To Be Selected By Architect from Mfgr's standard range

SPECIFICATIONS

6. Formulation

Mildew inhibitorized with early warning effect formulation.

2.4 ACCESSORIES

- A. Fiberboard: Industrial Insulation Board, ironed and prime coated, ASTM C208, cellulosic, 1/2 inch thick, 4 foot wide x required length, square edges, 16 lb/cu ft density made with binder containing no urea formaldehyde; flame spread and smoke developed rating of 20/30 when tested according to ASTM E84.
- B. Wallcovering Adhesive: Manufacturer's standard for use with specified wallcovering and substrate application. Mildew-resistant, nonstaining, and strippable. Shall meet South Coast Air Quality Management District (SCAQMD) Rule #1168.
- C. Panel Adhesive: ASTM C557.
- D. Trim: Vinyl covered corner trim to match wall covering. All other edges vinyl wrapped.
- E. Substitutions: Under provisions of Section 01 25 13.

3. PART 3 EXECUTION

3.1 FABRICATION

- A. Machine apply vinyl wallcovering continuous over length of fiberboard sheet.
- B. Wrap vinyl continuous around edges. Return vinyl a minimum of 2 inches on back of panel.
- C. No seams permitted on individual panels.
- D. Field application of vinyl is not permitted.
- E. Laminate wall covering in numbered sequence of covering.
- F. Laminate wall covering to core free from bubbles, sags, wrinkles, distortion and free of adhesive.

3.2 INSPECTION

- A. Verify that site conditions are ready to receive work and opening dimensions are as indicated on shop drawings.
- B. Insure backing materials are firmly attached, free from warps and surface defects and ready to receive individual panels.
- C. Beginning of installation means acceptance of substrate.

3.3 INSTALLATION

- A. Erect fiberboard in vertical direction. Install in full length sections with no horizontal joints.
- B. Install panels beginning at center point of wall and working to room corners.
- C. Install panels in order of sequence of wall covering.
- D. Install panels with vertical surfaces and edges plumb, top edges level and in alignment with other panels.
- E. Install panels butted tight to adjacent materials; casework, chair rail, door frames, ceilings, floors, and soffits as indicated on the Drawings. Provide lap beneath other tack or chalk board systems to conceal unfinished edges.
- F. Provide cutouts for electrical outlets, switches, thermostats, and other services.

SPECIFICATIONS

- G. Attachment: Secure fiberboard to substrate with adhesive and sufficient support to hold in place. Apply adhesive in accordance with manufacturer's instruction.

3.4 TOLERANCES

- A. Maximum Variation from True Flatness: 1/8 inch in 10 feet in any direction.

3.5 CLEANING PROCEDURES

- A. Remove by rubbing lightly with a moistened cloth, sponge, or stiff bristle brush using a mild soap, detergent, or non-abrasive cleanser and clean water.
- B. Strong organic solvents (such as Ketones) and harsh abrasive cleaners are not to be used.
- C. Contact wall covering manufacturer for special cleaning problems and follow their recommendations if required.

[END OF SECTION]

SPECIFICATIONS

Professional Wi-Fi & Ethernet Thermostats



UP32-WIFI
UP32H-WIFI
UP32-IP
UP32H-IP



EDUCATION



COMMERCIAL



RETAIL



WORSHIP



RESTAURANT



MANUFACTURING

Saving money is just a click away.

TAKE CONTROL OF YOUR HVAC ENERGY BILLS!

The UP32 thermostat family is the perfect solution for a wide variety of HVAC needs. Using your favorite browser on your PC, Mac, smart phone or tablet, Net/X™ makes it simple to effortlessly configure your daily schedules and vacations. Automated monitoring and alerting are integrated for everything happening with your HVAC system, including efficiency. Secure dual logins allow for simple or advanced control of your HVAC needs.

SIMPLE INSTALLATION

With features unparalleled in the market, the UP32 is a simple, single-piece installation, saving you time, money and hassles. With universal equipment control for conventional (2H/2C) and heat pump (3H/2C) systems, in most cases your Net/X™ thermostat can be installed by simply matching the existing color-coded wires of your old thermostat.

ADVANCED REMOTE SENSOR BUS — UP TO 14 SENSORS

The UP32's advanced remote sensor bus supports a total of 14 sensors with up to 6 indoor remote sensors, an outdoor sensor, a humidity/temperature sensor plus auxiliary temperature sensors that allow up to 6 additional monitoring and alerting points from every thermostat. The auxiliary sensors can be used for anything from supply and return air to walk-in freezers, refrigerated cases, computer rooms, and water temperature monitoring.

ALERTS TO 4 DESTINATIONS

The UP32 thermostats allows up to 4 email / text destinations that can be set up for 19 different alert conditions. Separate alerts can be used for maintenance personnel and users to optimize efficiency and ease of reporting. All alerts are generated from the thermostat, giving you complete control. Working behind the scenes, Net/X™ can even notify you if the thermostat loses its Internet connection.

Save Time • Save Energy • Save Money

www.networkthermostat.com

NT™ network thermostat

UP32 Thermostat

With optional remote sensors

FULLY INTEGRATED SOLUTION

The UP32 is a great solution for both simple and complex needs. With its fully integrated web server, *everything* is 'served' from the thermostat, including alerts. The UP32 is even smart enough to know when you're on a tablet or mobile platform and automatically adjusts the viewing format with NO APP REQUIRED.

Multiple Remote Sensors
are connected in a daisy-chain via standard CAT5 cable.
(Cable shown in green)

Up to 6 Indoor Sensors
can be connected from any one point in the daisy-chain.
(Cable shown in light green)

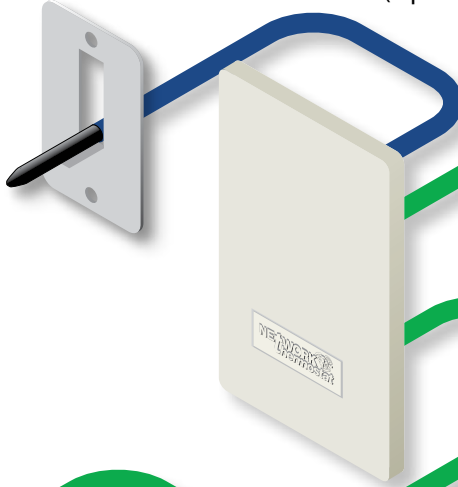
Many Probe Selections
to choose from for specific applications.
(Cable shown in blue)

Weather

The UP32 integrated weather service displays current local weather conditions and full 7-day forecasts. Without the requirement for an outdoor sensor, the UP32 integrated outdoor weather conditions allow air-to-air heat pumps to have low & high balance point controls and fresh air damper control with enthalpy limits.

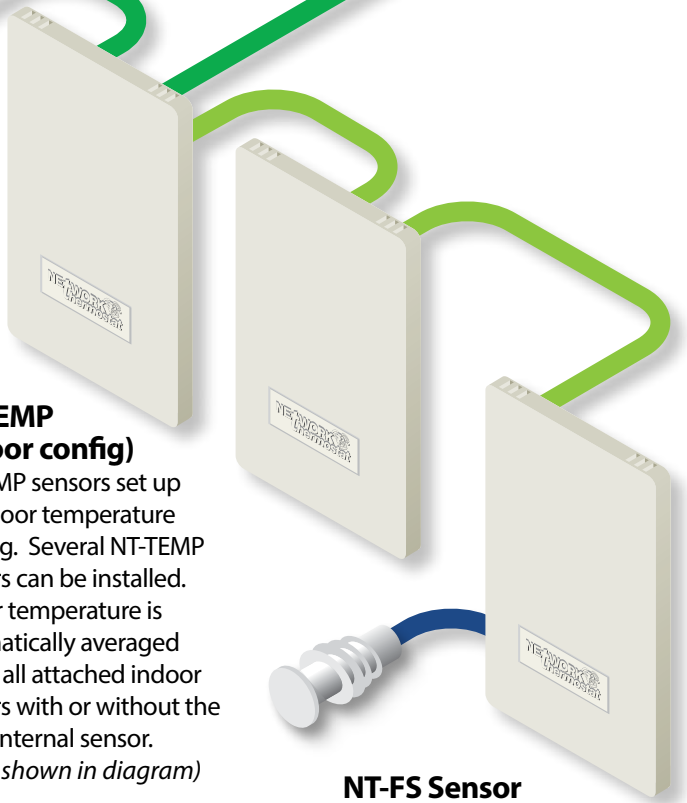
NT-TEMP (Outdoor config)

NT-TEMP sensor configured for outdoor use with NT-OUTDOOR Probe (1 per unit)



NT-TEMP (Indoor config)

NT-TEMP sensors set up for indoor temperature reading. Several NT-TEMP sensors can be installed. Indoor temperature is automatically averaged across all attached indoor sensors with or without the UP32 internal sensor.
(3 of 6 shown in diagram)



NT-FS Sensor

Adding the flush mount sensor probe to the NT-TEMP makes temperature measurement nearly invisible, allowing measurement in the room while the sensor electronics are hidden elsewhere.



*NT-HUM Sensor

The NT-HUM sensor measures humidity and temperature for monitoring of anything from wine rooms to greenhouses.
(1 per unit)



*UP32H WIFI & UP32H-IP

The UP32H versions include an integrated humidity sensor and control.



NT-TEMP (AUX 1 config)

Adding the NT-PROBE to the NT-TEMP sensor gives the ability to monitor the HVAC system efficiency via supply or return air temperature.



NT-TEMP (AUX 2, 4, 5 & 6 config)

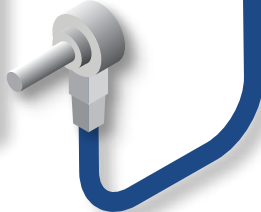
In addition to use as a supply or return sensor, adding the NT-PROBE also allows for monitoring of a location such as a refrigerated display case, walk-in freezer, or anything else from -40°F to +200°F.



NT-H2O

NT-TEMP (AUX 3 config)

Adding the NT-H2O probe to the NT-TEMP sensor enables the ability to monitor water temperature. This is a sealed drill-in sensor for accurate readings directly in the water flow.



REMOTE SENSORS

The Net/X™ Advanced Remote Sensor Bus allows addition of up to 14 remote sensors on each thermostat.

- 6 Indoor Sensors (max)
- 1 Humidity/Temp Sensor
- 1 Outdoor Sensor
- 6 Auxiliary Sensors
AUX 1 through AUX 6 sensors can be configured in any combination using the NT-TEMP internal sensor or the add-on NT-PROBE, NT-FS probe or NT-H2O probe.

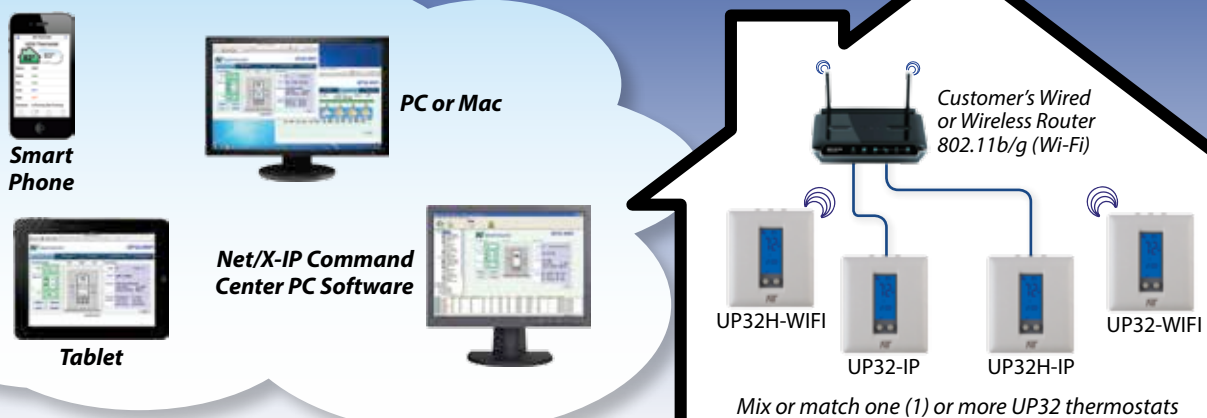
AUX INPUTS

The flexibility of the UP32 doesn't stop with just remote sensors. Each unit includes an Occupancy Input and 2 Auxiliary Digital Inputs, allowing both monitoring and alerting for each. The inputs can be labeled and used for just about anything, including:

- Condensate Overflow
- Flood Detection
- Equipment Faults
- Pressure Differential Switch
- Overcurrent Conditions



DirectConnect™ or CloudConnect™ access using your smart phone, tablet, PC or Mac.



POWERFUL FEATURES

- Gas, Electric, Oil, Heat Pump with up to 3-stage Heat & 2-stage Cool
- Up to 4 Schedules per Day, plus Vacation Scheduling
- Energy Saving Control Algorithms with Efficient Equipment Restart *
- Adjustable Override Control, Keypad Lockout & Smart Schedule Recovery
- Local Weather Data and Forecasts
- 25 Different Equipment & System Alerts via Email and Text Message
- Fully Integrated Web Server for Direct Connection, LAN & Internet Use
- Update Settings using your Smart Phone, Tablet or PC/Mac from Anywhere
- Connect up to 14 Remote Sensors
- Condensate, Flood, Filter, Equip Fault & Occupancy Inputs
- Free Enterprise Class PC Software for Management of Multiple Thermostats & Sites

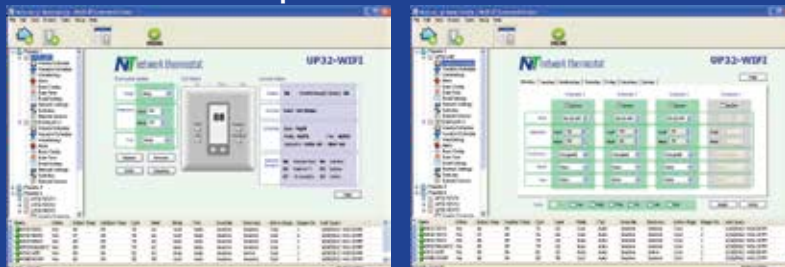
* Patent Applied Technology

PROGRAMMING & CONTROL

Control a Few or Hundreds via DirectConnect™ and/or CloudConnect™



...or or also use our **FREE Net/X™** enterprise class software



Portable, Modular and Pre-Fabricated Solutions - Piggyback No. 5
 Wiseburn Unified School District
 May 28, 2018

NT network thermostat

www.networkthermostat.com

PRICING MATRIX

WALL			
Product Description		UOM	Price
Wall Panels	Five Senses Basic- Ready to Paint	SF/Wall	\$67.75
Wall Panels	Five Senses TH-F (multiple palette options)	SF/Wall	\$67.75
Wall Panels	Five Senses Thin Crust (multiple palette options)	SF/Wall	\$67.75
Wall Panels	Five Senses Art Expressions (Various wood, brick and metal effects)	SF/Wall	\$67.75
Wall Panels	Adventure Jungle Theme (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Kids (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Nemo Metal Plank (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Mayan Templestone (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Savannah (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Underwater (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Scales (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Adventure Bible Story (multiple effects finishes)	SF/Wall	\$101.25
Wall Panels	Chisel Panel Sculpted Classic	SF/Wall	\$101.25
Wall Panels	Chisel Panel Sculpted Contemporary	SF/Wall	\$101.25
Wall Panels	Chisel Panel Sculpted Bold	SF/Wall	\$101.25
Wall Panels	Chisel Panel Sculpted Earth	SF/Wall	\$101.25
Wall Panels	Lightweight Concrete Panel Forte	SF/Wall	\$101.25
Wall Panels	Lightweight Concrete Panel Quarry	SF/Wall	\$101.25

PRICING MATRIX

WALL			
Product Description		UOM	Price
Wall Panels	Virtual Plane Screen- Back Lit Wall Paneling	SF/Wall	\$135.00
Wall Panels	Virtual Plane Screen-Screen Dividers	SF/Wall	\$135.00
Wall Panels	Virtual Plane Screen- Window Covers	SF/Wall	\$135.00
Wall Panels	Virtual Plane Screen- Ceiling Back-lit panel, Exterior	SF/Wall	\$135.00
Wall Panels	Virtual Plane Screen- Hand Railing	SF/Wall	\$135.00
Wall Panels	Virtual Plane Screen- Metal perforated for exterior use, fencing and façade treatments	SF/Wall	\$135.00
Vinyl Tackboard	Standard Vinyl Tackboard 4' x 8' / 43lbs	SF	\$17.25
Vinyl Tackboard	Standard Vinyl Tackboard 4' x 10' / 59lbs	SF	\$17.25
Vinyl Tackboard	Premium Standard Vinyl Tackboard 4' x 8' / 46lbs	SF	\$20.50
Vinyl Tackboard	Premium Standard Vinyl Tackboard 4' x 10' / 59lbs	SF	\$20.50
Vinyl Tackboard	Vinyl Coated Fabricate Wallcovering Type I	SF	\$23.50
Vinyl Tackboard	Vinyl Coated Fabricate Wallcovering Type II	SF	\$23.75
Vinyl Tackboard	Vinyl Coated Fabricate Wallcovering Type III	SF	\$26.50
Colored Cork Tackboards	1/4" Colored Cork On 1/4" Substrate 4' x 8' / 91lbs	SF	\$31.25
Colored Cork Tackboards	1/4" Colored Cork On 1/4" Substrate 4' x 10' / 114lbs	SF	\$31.10
Wall Tile	Daltile (Ceramic Tile), Semi-gloss wall & counter tile glazed" 4 1/4 x 4 1/4" -Navy	SF	\$16.00
Wall Tile	Daltile (Ceramic Tile), Semi-gloss wall & counter tile glazed" 4 1/4 x 4 1/4" -Black	SF	\$16.00
Wall Tile	Daltile (Ceramic Tile), Semi-gloss wall & counter tile glazed" 4 1/4 x 4 1/4" - (See tile chart for 41 other color opts.)	SF	\$19.00

PRICING MATRIX

WALL			
Product Description		UOM	Price
Ancillary Application	Supply and Apply Protective Wall Coating for Deferred Maintenance	Square Foot	\$15.00
Ancillary Application	Supply and Apply Wall Lamination	Square Foot	\$15.00
Ancillary Application	Tack Board Installation	Hour	\$95.00
Ancillary Application	Sound Wall Installation	Hour	\$125.00
Ancillary Application	Drywall Finisher	Hour	\$95.00

PRICING MATRIX

LIGHTING

PRICING MATRIX

LIGHTING			
Product Description		UOM	Price
LED Retrofit Lighting Kits	Dimmable 28W 4000K 2' x 2' LED Retrofit Kit	Each	\$595.00
LED Retrofit Lighting Kits	Dimmable 42.8W 4000K 2' x 4' LED Retrofit Kit	Each	\$625.00
LED Retrofit Lighting Kits	Dimmable 31.4W 4000K 2' x 2' LED Retrofit Kit	Each	\$595.00
LED Retrofit Lighting Kits	Dimmable 61.8W 4000K 2' x 4' LED Retrofit Kit	Each	\$625.00
LED Retrofit Lighting Kits	Dimmable 36W 4000K 2' x 4' LED Retrofit Kit	Each	\$255.00
LED Retrofit Lighting Kits	Dimmable 31W 4000K 2' x 4' LED Retrofit Kit	Each	\$275.00
LED Retrofit Lighting Kits	Dimmable 21.6W 4000K 2' x 2' LED Retrofit Kit	Each	\$255.00
LED Retrofit Lighting Kits	Dimmable 38W 3500K 2' x 4' LED Retrofit Kit	Each	\$275.00
LED Retrofit Lighting Kits	Dimmable 30W 3500K 2' x 2' LED Retrofit Kit	Each	\$255.00
LED Retrofit Lighting Kits	Dimmable 32W 3500K 2' x 4' LED Retrofit Kit	Each	\$275.00
LED Retrofit Lighting Kits	MaxLite 23 Watt 2700K Flush Mount LED Retrofit	Each	\$83.00
LED Retrofit Lighting Kits	MaxLite 17 Watt 2700K Flush Mount LED Retrofit	Each	\$83.00
LED Retrofit Lighting Kits	31 Watt, 3500K 2' x 2' EvoKit Dimmable LED Retrofit Kit	Each	\$245.00
LED Retrofit Bulbs	20 Watt, 48" T8 Daylight White LED Bulb - Retrofits T12 Fluorescent	Each	\$30.00
LED Retrofit Bulbs	20 Watt, 24" T8 Daylight White LED Bulb - Retrofits T12 Fluorescent	Each	\$26.00
LED Retrofit Bulbs	20 Watt, 48" T8 Cool White LED Bulb - Retrofits T12 Fluorescent	Each	\$30.00
LED Retrofit Bulbs	20 Watt, 24" T8 Cool White LED Bulb - Retrofits T12 Fluorescent	Each	\$26.00
LED Retrofit Bulbs	16.5W 5000K 48" T8 LED Bulb, Uses Existing Ballast	Each	\$38.00

PRICING MATRIX

LIGHTING			
Product Description		UOM	Price
LED Retrofit Bulbs	16.5W 5000K 24" T8 LED Bulb, Uses Existing Ballast	Each	\$38.00
LED Retrofit Bulbs	16.5W 3500K 48" T8 LED Bulb, Uses Existing Ballast	Each	\$38.00
LED Retrofit Bulbs	16.5W 3500K 24" T8 LED Bulb, Uses Existing Ballast	Each	\$38.00
LED Retrofit Bulbs	Dimmable 15W 48" 3000K T8 LED Bulb	Each	\$32.00
LED Retrofit Bulbs	Dimmable 15W 24" 3000K T8 LED Bulb	Each	\$32.00
LED Retrofit Bulbs	Dimmable 15W 48" 4000K T8 LED Bulb	Each	\$32.00
LED Retrofit Bulbs	Dimmable 15W 24" 4000K T8 LED Bulb	Each	\$32.00
LED Retrofit Bulbs	Dimmable 15W 48" 5000K T8 LED Bulb	Each	\$32.00
LED Retrofit Bulbs	Dimmable 15W 24" 5000K T8 LED Bulb	Each	\$32.00
Lite Kit Options	Order Size: 5" x 35" / Glass Size: 4" x 34" Tempered, Fire-Rated Wired, Fire-Rated Ceramic	Each	\$130.00
Lite Kit Options	Order Size: 6" x 27" / Glass Size: 5" x 26" Tempered, Fire-Rated Wired, Fire-Rated Ceramic	Each	\$137.00
Lite Kit Options	Order Size: 7" x 22" / Glass Size: 6" x 21" Tempered, Fire-Rated Wired, Fire-Rated Ceramic	Each	\$130.00
Lite Kit Options	Order Size: 8" x 32" / Glass Size: 7" x 31" Tempered, Fire-Rated Wired	Each	\$140.00
Lite Kit Options	Order Size: 8" x 36" / Glass Size: 7" x 35" Tempered, Fire-Rated Wired	Each	\$148.00
Lite Kit Options	Order Size: 12" x 12" / Glass Size: 11" x 11" Tempered, Fire-Rated Wired, Fire-Rated Ceramic	Each	\$137.00
Lite Kit Options	Order Size: 24" x 24" / Glass Size: 23" x 23" Tempered, Fire-Rated Wired	Each	\$140.00
Lite Kit Options	Order Size: 24" x 30" / Glass Size: 23" x 29" Tempered, Fire-Rated Wired, Fire-Rated Ceramic	Each	\$140.00
Lite Kit Options	Order Size: 24" x 32" / Glass Size: 23" x 31" Tempered, Fire-Rated Wired	Each	\$140.00

PRICING MATRIX

LIGHTING			
Product Description		UOM	Price
Lite Kit Options	Order Size: 24" x 36" / Glass Size: 23" x 35" Tempered, Fire-Rated Wired	Each	\$148.00
Lite Kit Options	Order Size: 24" x 60" / Glass Size: 23" x 59" Tempered, Fire-Rated Wired	Each	\$185.00
Lite Kit Options	Order Size: 24" x 64" / Glass Size: 23" x 63" Tempered, Fire-Rated Wired	Each	\$205.00
Ancillary Application	Electrician	Hour	\$120.00
Ancillary Application	Inside Wireman	Hour	\$120.00
Ancillary Application	Electrical, Comm, System Installer	Hour	\$120.00

PRICING MATRIX

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SPECIFICATIONS

COMMERCIAL LAVATORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Lavatories.
 - 2. Shampoo bowls.
 - 3. Faucets.
 - 4. Supports.

- B. Related Requirements:

- 1. Section 224100 "Residential Plumbing Fixtures" for residential lavatories.
 - 2. Section 224300 "Medical Plumbing Fixtures" for healthcare lavatories.
 - 3. Section 224600 "Security Plumbing Fixtures" for security lavatories.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

- 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for lavatories.
 - 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.

- B. Sustainable Design Submittals:

- 1. Product Data: For water consumption.

- C. Shop Drawings: Include diagrams for power, signal, and control wiring of automatic faucets.

1.4 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Counter cutout templates for mounting of counter-mounted lavatories.

SPECIFICATIONS

1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For lavatories and faucets to include in operation and maintenance manuals.
 - 1. In addition to items specified in Section 017823 "Operation and Maintenance Data," include the following:
 - a. Servicing and adjustments of automatic faucets.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Faucet Washers and O-Rings: Equal to [10] <Insert number> percent of amount of each type and size installed.
 - 2. Faucet Cartridges and O-Rings: Equal to [5] <Insert number> percent of amount of each type and size installed.

PART 2 - PRODUCTS

2.1 VITREOUS-CHINA, COUNTER-MOUNTED LAVATORIES

- A. Lavatory <Insert drawing designation>: Oval, self-rimming, vitreous china, counter mounted.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; Oval counter mounted sink - SS-3002 or comparable product by the following:
 - a. <Insert manufacturer's name>.
 - 2. Fixture:
 - a. Standard: ASME A112.19.2/CSA B45.1.
 - b. Type: Self-rimming for above-counter mounting.
 - c. Nominal Size: Oval, [19 by 17 inches (483 by 432 mm)] [20 by 17 inches (508 by 432 mm)] <Insert dimensions>.
 - d. Faucet-Hole Punching: [One hole] [Three holes, 2-inch (51-mm) centers] [Three holes, 4-inch (102-mm) centers].
 - e. Faucet-Hole Location: Top.
 - f. Color: [White] <Insert color>.
 - g. Mounting Material: Sealant.
 - 3. Faucet: <Insert lavatory faucet designation from "Automatically Operated Lavatory Faucets" Article>.
- B. Lavatory <Insert drawing designation>: Oval, vitreous china, undercounter mounted.

SPECIFICATIONS

1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; Oval Undermount Sink - SS-3001 or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
2. Fixture:
 - a. Standard: ASME A112.19.2/CSA B45.1.
 - b. Type: For undercounter mounting.
 - c. Nominal Size: Oval, [19 by 16 inches (483 by 406 mm)] [22 by 14 inches (559 by 356 mm)] [23 by 15 inches (584 by 381 mm)] <Insert dimensions>.
 - d. Faucet-Hole Punching: No holes.
 - e. Faucet-Hole Location: On countertop.
 - f. Color: [White] <Insert color>.
 - g. Mounting Material: Sealant and undercounter mounting kit.
3. Faucet: <Insert lavatory faucet designation from "Automatically Operated Lavatory Faucets" Article>.

2.2 VITREOUS-CHINA, WALL-MOUNTED LAVATORIES

- A. Lavatory <Insert drawing designation>: Vitreous china, wall mounted, with back.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; Wall mounted sink, with back - SS-3003 or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
2. Fixture:
 - a. Standard: ASME A112.19.2/CSA B45.1.
 - b. Type: For wall hanging.
 - c. Nominal Size: Oval, [19 by 16 inches (483 by 406 mm)] [22 by 14 inches (559 by 356 mm)] [23 by 15 inches (584 by 381 mm)] <Insert dimensions>.
 - d. Faucet-Hole Punching: [One hole] [Three holes, 2-inch (51-mm) centers] [Three holes, 4-inch (102-mm) centers].
 - e. Faucet-Hole Location: Top.
 - f. Color: [White] <Insert color>.
 - g. Mounting Material: Chair carrier.
3. Faucet: <Insert lavatory faucet designation from "Automatically Operated Lavatory Faucets" Article>.
4. Support: [Type I, exposed-arm lavatory carrier] [Type II, concealed-arm lavatory carrier] [Type II, concealed-arm lavatory carrier with escutcheons].[Include rectangular, steel uprights.]
5. Lavatory Mounting Height: [Standard] [Child] [Handicapped/elderly according to ICC A117.1].

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- B. Lavatory <Insert drawing designation>: Wheelchair, vitreous china, wall mounted.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; Wall Hung ADA Lavatory - SS-3804 or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Fixture:
 - a. Standard: ASME A112.19.2/CSA B45.1.
 - b. Type: Slab or wheelchair.
 - c. Nominal Size: Rectangular, 27 by 20 inches (686 by 508 mm).
 - d. Faucet-Hole Punching: Three holes, [2-inch (51-mm)] <Insert dimension> centers.
 - e. Faucet-Hole Location: Top.
 - f. Color: [White] <Insert color>.
 - g. Mounting: For concealed-arm carrier.
 3. Faucet: <Insert lavatory faucet designation from "Automatically Operated Lavatory Faucets" Article>.
 4. Support: [Type II, concealed-arm lavatory carrier] [Type II, concealed-arm lavatory carrier with escutcheons]. [Include rectangular, steel uprights.]
 5. Lavatory Mounting Height: [Child] [Handicapped/elderly according to ICC A117.1].

2.3 SOLID SURFACE LAVATORY SYSTEMS

- A. Lavatory System <Insert drawing designation>: Solid-surface, side-by-side stations.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; AER-DEC AD-81000 or comparable product by the following:
 - a. <Insert manufacturer's name>.
 2. Standards: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. Bowl(s) and Counter:
 - a. Standard: ICPA SS-1 for solid-surface bowls.
 - b. Height to Rim: [34 inches (864 mm)] <Insert dimension> above floor.
 - c. Color or Finish: [Not applicable] <Insert if required>.
 - d. Overall Dimensions: [30 by 23.5 by 22 inches (762 by 597 by 559 mm)] <Insert dimensions>.
 - e. Access Panel: 16-1/8 inch (410 mm) access panel.
 - f. Mounting: Wall hung.
 - g. Number of Stations: [One] [Two] [Three] [Four].

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- h. Drain: Grid with **NPS 1-1/2 (DN 40)** tailpiece, each bowl.
- 5. Pedestal: **[Not required] [Required, with access panel]**.
- 6. Faucet: **<Insert lavatory-faucet designation from "Solid-Brass, Manually Operated Faucets" Article> <Insert lavatory-faucet designation from "Solid-Brass, Automatically Operated Lavatory Faucets" Article> <Insert lavatory-faucet designation from "Automatically Operated Lavatory Faucets" Article>**.
- 7. Faucets:
 - a. Standards: ASME A112.18.1/CSA B125.1 and NSF 61 Annex G.
 - b. Type: Manufacturer's standard, chrome-plated solid brass, each bowl.
 - c. Control: **[Manual, push-button] [Hardwired, sensor-actuated] [Battery-powered, sensor-actuated][, pressure-balancing]** mixing valve with check stops for each user station.
 - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
- 8. Mixer Point-of-Use:
 - a. Basis of Design: Sloan MIX-70-A.
 - b. Material: Solid bimetal (bronze, brass, stainless steel).
 - c. Security: Hot limit stop set to a maximum of **109.4 deg F (43 deg C)**.
 - d. Set: screwdriver adjustment temperature dial with scale: COLD-HOT.
 - e. Basis of Design: Sloan ESD-400.
 - f. Dimension: **1-3/4 by 4-1/2 by 4-7/16 inches (44 by 114 by 112 mm) <Insert dimensions>**.
 - g. Operation: Electronic 'No-Touch' Hard Wired powered.
 - h. Power: 120-V ac.
- 9. Description: High-speed, warm-air hand dryer for rapid hand drying.
 - a. Mounting: **[Surface mounted][, with low-profile design]**.
 - b. Operation: Electronic-sensor activated with operation time of **[10 to 20] <Insert number(s)>** seconds.
 - c. Cover Material and Finish: **[Chrome-plated steel] <Insert material and finish>**.
 - d. Basis of Design: Sloan EHD-510.
 - e. Compliance: Hand dryer meets ANSI 117.1, UPC, IPC, NPC Canada, California Green Building Code, City of Los Angeles Water Efficiency Ordinance.
 - f. Electrical Requirements: **[115 V, 13 A, 1500 W] [115 V, 15 A, 1725 W] [115 V, 20 A, 2300 W] [208-240 V, 9-10 A, 1900-2300 W] <Insert electrical requirements>**.
- 10. Liquid-Soap Dispensers: **[Hardwired, sensor actuated] [Battery powered, sensor actuated] [Not required]**, for each user station.
 - a. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
- 11. Mounting: Off floor on wall brackets and frame enclosure.
- 12. Supply Fittings:
 - a. Piping: **NPS 1/2 (DN 15)** copper tubing, each bowl.
 - b. Valves: Shutoff valve on each supply.

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- c. Supply Piping: From wall.
- 13. Waste Fittings:
 - a. Standard: ASME A112.18.2/CSA B125.2.
 - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**, each bowl.
- B. Lavatory System **<Insert drawing designation>**: Solid-surface, side-by-side stations.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; DSG-81000 or comparable product by the following:
 - a. **<Insert manufacturer's name>**.
 - 2. Standards: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499.
 - 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 - 4. Bowl(s) and Counter:
 - a. Standard: ICPA SS-1 for solid-surface bowls.
 - b. Height to Rim: [**34 inches (864 mm)**] **<Insert dimension>** above floor.
 - c. Color or Finish: [**Not applicable**] **<Insert if required>**.
 - d. Overall Dimensions: [**30 by 23.5 by 22 inches (762 by 597 by 559 mm)**] **<Insert dimensions>**.
 - e. Access Panel: **16-1/8 inch (410 mm)** access panel.
 - f. Mounting: Wall hung.
 - g. Number of Stations: [**One**] [**Two**] [**Three**] [**Four**].
 - h. Drain: Grid with **NPS 1-1/2 (DN 40)** tailpiece, each bowl.
 - 5. Pedestal: [**Not required**] [**Required, with access panel**].
 - 6. Faucet: **<Insert lavatory-faucet designation from "Solid-Brass, Manually Operated Faucets" Article>** **<Insert lavatory-faucet designation from "Solid-Brass, Automatically Operated Lavatory Faucets" Article>** **<Insert lavatory-faucet designation from "Automatically Operated Lavatory Faucets" Article>**.
 - 7. Faucets:
 - a. Standards: ASME A112.18.1/CSA B125.1 and NSF 61 Annex G.
 - b. Type: Manufacturer's standard, chrome-plated solid brass, each bowl.
 - c. Control: [**Manual, push-button**] [**Hardwired, sensor-actuated**] [**Battery-powered, sensor-actuated**][, **pressure-balancing**] mixing valve with check stops for each user station.
 - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
 - 8. Mixer Point-of-Use:
 - a. Basis of Design: Sloan MIX-70-A.

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- b. Material: solid bimetal (bronze, brass, stainless steel).
 - c. Security: Hot limit stop set to a maximum of **109.4 deg F (43 deg C)**.
 - d. Set: Screwdriver adjustment temperature dial with scale: COLD-HOT.
 - e. Basis of Design: Sloan ESD-400.
 - f. Dimension: **1-3/4 by 4-1/2 by 4-7/16 inches (44 by 114 by 112 mm)** **<Insert dimensions>**.
 - g. Operation: Electronic 'No-Touch' Hard Wired powered.
 - h. Power: 120-V ac.
- C. Lavatory System **<Insert drawing designation>**: Solid-surface, side-by-side stations.
- 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; EW-72000 or comparable product by the following:
 - a. **<Insert manufacturer's name>**.
 - 2. Standards: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499.
 - 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 - 4. Bowl(s) and Counter:
 - a. Standard: ICPA SS-1 for solid-surface bowls.
 - b. Height to Rim: **[34 inches (864 mm)] <Insert dimension>** above floor.
 - c. Color or Finish: **[Not applicable] <Insert if required>**.
 - d. Overall Dimensions: **[30 by 23.5 by 22 inches (762 by 597 by 559 mm)] <Insert dimensions>**.
 - e. Access Panel: **16-1/8 inch (410 mm)** access panel.
 - f. Mounting: Wall hung.
 - g. Number of Stations: **[One] [Two] [Three] [Four]**.
 - h. Drain: Grid with **NPS 1-1/2 (DN 40)** tailpiece, each bowl.
 - 5. Pedestal: **[Not required] [Required, with access panel]**.
 - 6. Faucet: **<Insert lavatory-faucet designation from "Solid-Brass, Manually Operated Faucets" Article> <Insert lavatory-faucet designation from "Solid-Brass, Automatically Operated Lavatory Faucets" Article> <Insert lavatory-faucet designation from "Automatically Operated Lavatory Faucets" Article>**.
 - 7. Faucets:
 - a. Standards: ASME A112.18.1/CSA B125.1 and NSF 61 Annex G.
 - b. Type: Manufacturer's standard, chrome-plated solid brass, each bowl.
 - c. Control: **[Manual, push-button] [Hardwired, sensor-actuated] [Battery-powered, sensor-actuated][, pressure-balancing]** mixing valve with check stops for each user station.
 - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
 - 8. Mixer Point-of-Use:

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- a. Basis of Design: Sloan MIX-70-A.
 - b. Material: solid bimetal (bronze, brass, stainless steel).
 - c. Security: Hot limit stop set to a maximum of 109.4 deg F (43 deg C).
 - d. Set: Screwdriver adjustment temperature dial with scale: COLD-HOT.
 - e. Basis of Design: Sloan ESD-400.
 - f. Dimension: 1-3/4 by 4-1/2 by 4-7/16 inches (44 by 114 by 112 mm) <Insert dimensions>.
 - g. Operation: Electronic 'No-Touch' Hard Wired powered.
 - h. Power: 120-V ac.
- D. Lavatory System <Insert drawing designation>: Solid-surface, side-by-side stations.
- 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; Bio-Deck ELB-51000 or comparable product by the following:
 - a. <Insert manufacturer's name>.
 - 2. Standards: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499.
 - 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 - 4. Bowl(s) and Counter:
 - a. Standard: ICPA SS-1 for solid-surface bowls.
 - b. Height to Rim: [34 inches (864 mm)] <Insert dimension> above floor.
 - c. Color or Finish: [Not applicable] <Insert if required>.
 - d. Overall Dimensions: [30 by 23.5 by 22 inches (762 by 597 by 559 mm)] <Insert dimensions>.
 - e. Access Panel: 16-1/8 inch (410 mm) access panel.
 - f. Mounting: Wall hung.
 - g. Number of Stations: [One] [Two] [Three] [Four].
 - h. Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.
 - 5. Pedestal: [Not required] [Required, with access panel].
 - 6. Faucet: <Insert lavatory-faucet designation from "Solid-Brass, Manually Operated Faucets" Article> <Insert lavatory-faucet designation from "Solid-Brass, Automatically Operated Lavatory Faucets" Article> <Insert lavatory-faucet designation from "Automatically Operated Lavatory Faucets" Article>.
 - 7. Faucets:
 - a. Standards: ASME A112.18.1/CSA B125.1 and NSF 61 Annex G.
 - b. Type: Manufacturer's standard, chrome-plated solid brass, each bowl.
 - c. Control: [Manual, push-button] [Hardwired, sensor-actuated] [Battery-powered, sensor-actuated][, pressure-balancing] mixing valve with check stops for each user station.
 - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
 - 8. Mixer Point-of-Use:

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- a. Basis of Design: Sloan MIX-70-A.
- b. Material: solid bimetal (bronze, brass, stainless steel).
- c. Security: Hot limit stop set to a maximum of 109.4 deg F (43 deg C).
- d. Set: Screwdriver adjustment temperature dial with scale: COLD-HOT.
- e. Basis of Design: Sloan ESD-400.
- f. Dimension: 1-3/4 by 4-1/2 by 4-7/16 inches (44 by 114 by 112 mm) <Insert dimensions>.
- g. Operation: Electronic 'No-Touch' Hard Wired powered.
- h. Power: 120-V ac.

2.4 SHAMPOO BOWLS

A. Shampoo Bowls <Insert drawing designation>: Enameled, cast iron.

- 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
- 2. Fixture:
 - a. Standard: ASME A112.19.2/CSA B45.1.
 - b. Bowl: Shaped for head rest.
 - c. Nominal Size: [19 by 19 by 10 inches (483 by 483 by 250 mm)] <Insert dimensions>.
 - d. Color: [White] <Insert color>.
- 3. Faucet: Manufacturer's standard with vacuum breaker complying with ASME A112.18.3 and with hose spray head.
- 4. Waste Fittings: Comply with requirements in "Waste Fittings" Article except as follows:
 - a. Drain: Cup type with hair basket and NPS 1-1/2 (DN 40) tailpiece.
 - b. Trap Size: NPS 1-1/2 (DN 40).
- 5. Mounting Material: [Bracket or devices for attaching to counter] [Wall bracket].

B. Shampoo Bowls <Insert drawing designation>: Plastic.

- 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
- 2. Fixture:
 - a. Standard: ANSI Z124.3 or ANSI Z124.6.
 - b. Material: [Plastic] [FRP] [PMMA] <Insert material>.
 - c. Bowl: Shaped for head rest.

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- d. Nominal Size: [19 by 19 by 10 inches (483 by 483 by 250 mm)] <Insert dimensions>.
 - e. Color: [White] <Insert color>.
 - f. Mounting Material: [Bracket or devices for attaching to counter] [Wall bracket].
- 3. Faucet: Manufacturer's standard with vacuum breaker complying with ASME A112.18.3 and with hose spray head.
 - 4. Waste Fittings: Comply with requirements in "Waste Fittings" Article except as follows:
 - a. Drain: Cup type with hair basket and NPS 1-1/2 (DN 40) tailpiece.
 - b. Trap Size: NPS 1-1/2 (DN 40).
- C. Shampoo Bowls <Insert drawing designation>: Solid-surface material.
- 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
 - 2. Fixture:
 - a. Standard: ANSI/ICPA SS-1 for solid-surface materials.
 - b. Material: Molded, cast polymer.
 - c. Bowl: Shaped for head rest.
 - d. Nominal Size: [19 by 19 by 9 inches (483 by 483 by 229 mm)] [20 by 18 by 9 inches (508 by 457 by 229 mm)] <Insert dimensions>.
 - e. Color: [Gray granite] [Sandstone] [White granite] <Insert color>.
 - f. Mounting Material: [Bracket or devices for attaching to counter] [Wall bracket].
 - 3. Faucet: Manufacturer's standard with vacuum breaker complying with ASME A112.18.3 and with hose spray head.
 - 4. Waste Fittings: Comply with requirements in "Waste Fittings" Article except as follows:
 - a. Drain: Cup type with hair basket and NPS 1-1/2 (DN 40) tailpiece.
 - b. Trap Size: NPS 1-1/2 (DN 40).

2.5 SOLID-BRASS, MANUALLY OPERATED FAUCETS

- A. NSF Standard: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components - Health Effects," for faucet materials that will be in contact with potable water.
- B. Lavatory Faucets <Insert designation>: Manual-type, [single-control mixing] [single-control nonmixing] [two-handle mixing], [commercial] [general-duty], solid-brass valve.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:

SPECIFICATIONS

- a. <Insert manufacturer's name>.
2. Standard: ASME A112.18.1/CSA B125.1.
3. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
4. Body Type: [Centerset] [Widespread] [Single hole] <Insert type>.
5. Body Material: Commercial, solid brass.
6. Finish: [Polished chrome plate] <Insert finish>.
7. Maximum Flow Rate: [0.5 gpm (1.5 L/min.)] <Insert value>.
8. Maximum Flow: [0.25 gal. (0.95 L)] <Insert value> per metering cycle.
9. Mounting Type: [Deck, exposed] [Deck, concealed] [Back/wall, exposed] [Back/wall, concealed].
10. Valve Handle(s): [Single lever] [Knob] [Knob, nonmetallic] [Cross, three arm] [Cross, four arm] [Wrist blade, 4 inches (102 mm)] [Elbow, 6 inches (152 mm)] [Push button] <Insert type>.
11. Spout: [Rigid] [Swing] [Rigid, gooseneck] [Swivel, gooseneck] type.
12. Spout Outlet: [Aerator] [Laminar flow] [Spray] <Insert type>.
13. Operation: [Compression, manual] [Noncompression, manual].
14. Drain: [Not part of faucet] <Insert type>.

2.6 AUTOMATICALLY OPERATED LAVATORY FAUCETS

- A. NSF Standard: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components - Health Effects," for faucet materials that will be in contact with potable water.
- B. Lavatory Faucets <Insert designation>: Automatic-type, Solar (photovoltaic) powered with battery backup, electronic-sensor-operated, integrated mixing valve.
 1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; SOLIS® EAF-275 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [Single hole] <Insert type>.
 6. Body Material: [Commercial] [General-duty], chrome plated constructed metal.
 7. Finish: [Polished chrome plate] <Insert finish>.
 8. Maximum Flow Rate: [0.5 gpm (1.5 L/min.)] <Insert value>.
 9. Mounting Type: [Deck, concealed] [Back/wall, concealed] <Insert type>.
 10. Spout: Rigid type.
 11. Spout Outlet: [Aerator] [Laminar flow] [Spray] <Insert type>.
 12. Drain: [Not part of faucet] <Insert type>.

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- C. Lavatory Faucets <Insert designation>: Automatic-type, Solar (photovoltaic) powered with battery backup, electronic-sensor-operated, integrated mixing valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; BASYS® EFX-275 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [Single hole] <Insert type>.
 6. Body Material: [Commercial] [General-duty], chrome plated constructed metal.
 7. Finish: [Polished chrome plate] <Insert finish>.
 8. Maximum Flow Rate: [0.5 gpm (1.5 L/min.)] <Insert value>.
 9. Mounting Type: [Deck, concealed] [Back/wall, concealed] <Insert type>.
 10. Spout: Rigid type.
 11. Spout Outlet: [Aerator] [Laminar flow] [Spray] <Insert type>.
 12. Drain: [Not part of faucet] <Insert type>.
- D. Lavatory Faucets <Insert designation>: Automatic-type, Solar [battery-powered,] [hard-wired,] electronic-sensor-operated, [mixing] [nonmixing], valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; BASYS® EFX-675 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [4 inch (102 mm) center set] <Insert type>.
 6. Body Material: [Commercial] [General-duty], chrome plated constructed metal.
 7. Finish: [Polished chrome plate] <Insert finish>.
 8. Maximum Flow Rate: [0.5 gpm (1.5 L/min.)] <Insert value>.
 9. Mounting Type: [Deck, concealed] [Back/wall, concealed] <Insert type>.
 10. Spout: Rigid type.
 11. Spout Outlet: [Aerator] [Laminar flow] [Spray] <Insert type>.
 12. Drain: [Not part of faucet] <Insert type>.
- E. Lavatory Faucets <Insert designation>: Automatic-type, Solar battery-powered, electronic-sensor-operated, [mixing] [nonmixing], valve.

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1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; BASYS® EFX-250 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [Single hole] <Insert type>.
 6. Body Material: [Commercial] [General-duty], chrome plated constructed metal.
 7. Finish: [Polished chrome plate] <Insert finish>.
 8. Maximum Flow Rate: [0.5 gpm (1.5 L/min.)] <Insert value>.
 9. Mounting Type: Deck.
 10. Spout: Rigid type.
 11. Spout Outlet: [Aerator] [Laminar flow] [Spray] <Insert type>.
 12. Drain: [Not part of faucet] <Insert type>.
- F. Lavatory Faucets <Insert designation>: Automatic-type, battery-powered, electronic-sensor-operated, mixing valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; SOLIS® EAF-250 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [Single hole] <Insert type>.
 6. Body Material: [Commercial] [General-duty], chrome plated constructed metal.
 7. Finish: [Polished chrome plate] <Insert finish>.
 8. Maximum Flow Rate: [0.5 gpm (1.5 L/min.)] <Insert value>.
 9. Mounting Type: Deck.
 10. Spout: Rigid type.
 11. Spout Outlet: [Aerator] [Laminar flow] [Spray] <Insert type>.
 12. Drain: [Not part of faucet] <Insert type>.
- G. Lavatory Faucets <Insert designation>: Automatic-type, Solar battery-powered, electronic-sensor-operated, mixing valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; BASYS® EFX-650 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.

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2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [**Single hole**] <Insert type>.
 6. Body Material: [**Commercial**] [**General-duty**], chrome plated constructed metal.
 7. Finish: [**Polished chrome plate**] <Insert finish>.
 8. Maximum Flow Rate: [**0.5 gpm (1.5 L/min.)**] <Insert value>.
 9. Mounting Type: Deck.
 10. Spout: Rigid type.
 11. Spout Outlet: [**Aerator**] [**Laminar flow**] [**Spray**] <Insert type>.
 12. Drain: [**Not part of faucet**] <Insert type>.
- H. Lavatory Faucets <Insert designation>: Automatic-type, Solar hard-wired, electronic-sensor-operated, mixing valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; SOLIS® EAF-200 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. Transformer: [**24 vdc**] [**6 vdc**] [**None**] <Insert type>.
 5. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 6. Body Type: [**Single hole**] <Insert type>.
 7. Body Material: [**Commercial**] [**General-duty**], chrome plated constructed metal.
 8. Finish: [**Polished chrome plate**] <Insert finish>.
 9. Maximum Flow Rate: [**0.5 gpm (1.5 L/min.)**] <Insert value>.
 10. Mounting Type: Deck.
 11. Spout: Rigid type.
 12. Spout Outlet: [**Aerator**] [**Laminar flow**] [**Spray**] <Insert type>.
 13. Drain: [**Not part of faucet**] <Insert type>.
- I. Lavatory Faucets <Insert designation>: Automatic-type, [**battery-powered,**] [**hard-wired,**] electronic-sensor-operated, [**mixing**] [**nonmixing**], solid-brass valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; ETF-80 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.

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3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [**4 inch (102 mm) center set**] <Insert type>.
 6. Body Material: [**Commercial**] [**General-duty**], solid brass.
 7. Finish: [**Polished chrome plate**] <Insert finish>.
 8. Maximum Flow Rate: [**0.5 gpm (1.5 L/min.)**] <Insert value>.
 9. Mounting Type: Deck.
 10. Spout: Rigid type.
 11. Spout Outlet: [**Aerator**] [**Laminar flow**] [**Spray**] <Insert type>.
 12. Drain: [**Not part of faucet**] <Insert type>.
- J. Lavatory Faucets <Insert designation>: Automatic-type, hard-wired, electronic-sensor-operated, mixing valve.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Sloan Valve Company; BASYS® EFX-200 Faucet or comparable product by one of the following:
 - a. <Insert manufacturer's name>.
 2. Standards: ASME A112.18.1/CSA B125.1 and UL 1951.
 3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and fixture receptor.
 5. Body Type: [**Single hole**] <Insert type>.
 6. Body Material: [**Commercial**] [**General-duty**], chrome plated constructed metal.
 7. Finish: [**Polished chrome plate**] <Insert finish>.
 8. Maximum Flow Rate: [**0.5 gpm (1.5 L/min.)**] <Insert value>.
 9. Mounting Type: Deck.
 10. Spout: Rigid.
 11. Spout Outlet: [**Aerator**] [**Laminar flow**] [**Spray**] <Insert type>.
 12. Drain: [**Not part of faucet**] <Insert type>.

2.7 LAMINAR-FLOW, FAUCET-SPOUT OUTLETS

- A. NSF Standard: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components - Health Effects," for faucet-spout-outlet materials that will be in contact with potable water.
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 1. NEOPERL, Inc.
 2. <Insert manufacturer's name>.

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- C. Description: Chrome-plated-brass, faucet-spout outlet that produces non-aerating, laminar stream. Include external or internal thread that mates with faucet outlet for attachment to faucets where indicated and flow-rate range that includes flow of faucet.

2.8 SUPPORTS

A. Type II Lavatory Carrier:

- 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Jay R. Smith Mfg. Co.
 - b. Josam Company.
 - c. MIFAB, Inc.
 - d. Wade Drains.
 - e. Watts; a Watts Water Technologies company.
 - f. **<Insert manufacturer's name>**.
- 2. Standard: ASME A112.6.1M.

B. Type III Lavatory Carrier:

- 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Jay R. Smith Mfg. Co.
 - b. Josam Company.
 - c. MIFAB, Inc.
 - d. Wade Drains.
 - e. Watts; a Watts Water Technologies company.
 - f. **<Insert manufacturer's name>**.
- 2. Standard: ASME A112.6.1M.

2.9 SUPPLY FITTINGS

- A. NSF Standard: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components - Health Effects," for supply-fitting materials that will be in contact with potable water.
- B. Standard: ASME A112.18.1/CSA B125.1.
- C. Supply Piping: Chrome-plated-brass pipe or chrome-plated copper tube matching water-supply piping size. Include chrome-plated-brass or stainless-steel wall flange.
- D. Supply Stops: Chrome-plated-brass, one-quarter-turn, ball-type or compression valve with inlet connection matching supply piping.
- E. Operation: [**Loose key**] [**Wheel handle**] **<Insert type>**.

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F. Risers:

1. **[NPS 3/8 (DN 10)] [NPS 1/2 (DN 15)]**.
2. **[Chrome-plated, rigid-copper-pipe and brass straight or offset tailpieces] [Chrome-plated, soft-copper flexible tube] [ASME A112.18.6, braided- or corrugated-stainless-steel, flexible hose] riser.**

2.10 WASTE FITTINGS

- A. Standard: ASME A112.18.2/CSA B125.2.
- B. Drain: Grid type with **NPS 1-1/4 (DN 32)** offset and straight tailpiece.
- C. Trap:
 1. Size: **[NPS 1-1/2 by NPS 1-1/4 (DN 40 by DN 32)] [NPS 1-1/4 (DN 32)]**.
 2. Material: Chrome-plated, **[two-piece, cast-brass trap and swivel elbow with 0.032-inch- (0.83-mm-) thick brass tube to wall] [two-piece, cast-brass trap and ground-joint swivel elbow with 0.032-inch- (0.83-mm-) thick brass tube to wall] [one-piece, cast-brass trap with swivel 0.029-inch- (73-mm-) thick tubular brass wall bend] <Insert trap type>; and chrome-plated, brass or steel wall flange.**
 3. Material: Stainless-steel, two-piece trap and swivel elbow with **0.012-inch- (0.30-mm-)** thick stainless-steel tube to wall; and stainless-steel wall flange.

2.11 SUPPORTS

- A. Type II Lavatory Carrier:
 1. Standard: ASME A112.6.1M.
- B. Type III Lavatory Carrier:
 1. Standard: ASME A112.6.1M.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine roughing-in of water supply and sanitary drainage and vent piping systems to verify actual locations of piping connections before lavatory installation.
- B. Examine counters and walls for suitable conditions where lavatories will be installed.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

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3.2 INSTALLATION

- A. Install lavatories level and plumb according to roughing-in drawings.
- B. Install supports, affixed to building substrate, for wall-mounted lavatories.
- C. Install accessible wall-mounted lavatories at handicapped/elderly mounting height for people with disabilities or the elderly, according to ICC/ANSI A117.1.
- D. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations. Use deep-pattern escutcheons if required to conceal protruding fittings. Comply with escutcheon requirements specified in Section 220518 "Escutcheons for Plumbing Piping."
- E. Seal joints between lavatories, counters, and walls using sanitary-type, one-part, mildew-resistant silicone sealant. Match sealant color to fixture color. Comply with sealant requirements specified in Section 079200 "Joint Sealants."
- F. Install protective shielding pipe covers and enclosures on exposed supplies and waste piping of accessible lavatories. Comply with requirements in Section 220719 "Plumbing Piping Insulation."

3.3 CONNECTIONS

- A. Connect fixtures with water supplies, stops, and risers, and with traps, soil, waste, and vent piping. Use size fittings required to match fixtures.
- B. Comply with water piping requirements specified in Section 221116 "Domestic Water Piping."
- C. Comply with soil and waste piping requirements specified in Section 221316 "Sanitary Waste and Vent Piping."

3.4 ADJUSTING

- A. Operate and adjust lavatories and controls. Replace damaged and malfunctioning lavatories, fittings, and controls.
- B. Adjust water pressure at faucets to produce proper flow.
- C. Install fresh batteries in battery-powered, electronic-sensor mechanisms.

3.5 CLEANING AND PROTECTION

- A. After completing installation of lavatories, inspect and repair damaged finishes.
- B. Clean lavatories, faucets, and other fittings with manufacturers' recommended cleaning methods and materials.
- C. Provide protective covering for installed lavatories and fittings.

SPECIFICATIONS

- D. Do not allow use of lavatories for temporary facilities unless approved in writing by Owner.

[END OF SECTION]

SPECIFICATIONS

COMMERCIAL SINKS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

1. Service basins.
2. Service sinks.
3. Utility sinks.
4. Handwash sinks.
5. Sacristy sinks.
6. Automatically operated sink faucets.
7. Sink faucets.
8. Laminar-flow, faucet-spout outlets.
9. Supply fittings.
10. Waste fittings.
11. Supports.

- B. Related Requirements:

1. Section 224100 "Residential Plumbing Fixtures" for residential sinks.
2. Section 224216.13 "Commercial Lavatories" for commercial lavatories and solid surface lavatory systems.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for sinks.
2. Include rated capacities, operating characteristics[, **electrical characteristics,**] and furnished specialties and accessories.

- B. Sustainable Design Submittals:

1. Product Data: For water consumption.

SPECIFICATIONS

1.4 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Counter cutout templates for mounting of counter-mounted lavatories.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For sinks to include in maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Faucet Washers and O-Rings: Equal to [10] <Insert number> percent of amount of each type and size installed.
 - 2. Faucet Cartridges and O-Rings: Equal to [5] <Insert number> percent of amount of each type and size installed.

PART 2 - PRODUCTS

2.1 SERVICE BASINS

- A. Service Basins <Insert drawing designation>: Terrazzo, floor mounted.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
 - 2. Fixture:
 - a. Standard: IAPMO PS 99.
 - b. Shape: [Square] [Rectangular] [Five sided] [Radial front] <Insert shape>.
 - c. Nominal Size: [24 by 24 inches (610 by 610 mm)] [30 by 30 inches (762 by 762 mm)] [24 by 36 inches (610 by 915 mm)] [32 by 32 inches (815 by 815 mm)] [36 by 36 inches (915 by 915 mm)] <Insert dimensions>.
 - d. Height: [6 inches (150 mm)] [10 inches (255 mm)] [12 inches (305 mm)] [12 inches (305 mm) with dropped front] <Insert dimensions>.
 - e. Tiling Flange: [Not required] [On one side] [On two sides] [On three sides].
 - f. Rim Guard: On [front] [all] top surfaces.
 - g. Color: [Not applicable] <Insert color>.
 - h. Drain: Grid with [NPS 2 (DN 50)] [NPS 3 (DN 80)] outlet.
 - 3. Mounting: On floor and flush to wall.
 - 4. Faucet: <Insert sink-faucet designation from "Sink Faucets" Article>.
- B. Service Basins <Insert drawing designation>: Plastic, floor mounted.

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1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
2. Fixture:
 - a. Standard: IAPMO/ANSI Z124.6.
 - b. Material: [Cast polymer] <Insert material>.
 - c. Nominal Size: [24 by 36 by 10 inches (610 by 915 mm by 255 mm)] [36 by 36 by 10 inches (915 by 915 by 255 mm)] <Insert dimensions>.
 - d. Tiling Flange: [Not required] [On one side] [On two sides] [On three sides].
 - e. Rim Guard: On [front] [all] top surfaces.
 - f. Color: [Not applicable] <Insert color>.
 - g. Drain: Grid with [NPS 2 (DN 50)] [NPS 3 (DN 80)] outlet.
3. Mounting: On floor and flush to wall.
4. Faucet: <Insert sink-faucet designation from "Sink Faucets" Article>.

2.2 SERVICE SINKS

- A. Service Sinks <Insert drawing designation>: Enameled, cast iron, trap standard mounted.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
2. Fixture:
 - a. Standard: ASME A112.19.1/CSA B45.2.
 - b. Type: Service sink with back.
 - c. Back: [Two faucet holes] [Plain].
 - d. Nominal Size: [22 by 18 inches (560 by 457 mm)] [24 by 20 inches (610 by 508 mm)].
 - e. Color: White.
 - f. Mounting: [NPS 2 (DN 50)] [NPS 3 (DN 80)] P-trap standard with grid strainer inlet, cleanout, and floor flange.
 - g. Rim Guard: On front and sides.
3. Faucet: <Insert sink-faucet designation from "Sink Faucets" Article>.
4. Support: [Type II sink carrier.] <Insert carrier>.
5. Sink Mounting Height: [Standard] [Child] [Handicapped/elderly according to ICC A117.1].

- B. Service Sinks <Insert drawing designation>: Vitreous china, trap standard mounted.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

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- a. <Insert manufacturer's name>.
 2. Fixture:
 - a. Standard: ASME A112.19.2/CSA B45.1.
 - b. Type: Service sink with back.
 - c. Back: [Two faucet holes] [Plain].
 - d. Nominal Size: [22 by 20 inches (560 by 508 mm)] <Insert dimensions>.
 - e. Color: White.
 - f. Mounting: [NPS 2 (DN 50)] [NPS 3 (DN 80)] P-trap standard with grid strainer inlet, cleanout, and floor flange.
 - g. Rim Guard: On front and sides.
 3. Faucet: <Insert sink-faucet designation from "Sink Faucets" Article>.
 4. Support: [Type II sink carrier.]<Insert carrier>.
 5. Sink Mounting Height: [Standard] [Child] [Handicapped/elderly according to ICC A117.1].
- C. Service Sinks <Insert drawing designation>: Enameled, cast iron, floor mounted.
1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
 2. Fixture:
 - a. Standard: ASME A112.19.1/CSA B45.2.
 - b. Style: With front apron and raised back.
 - c. Nominal Size: 28 by 28 inches (710 by 710 mm).
 - d. Color: White.
 - e. Drain: Grid with [NPS 2 (DN 50)] [NPS 3 (DN 80)] outlet.
 - f. Rim Guard: Coated wire.
 3. Faucet: <Insert sink-faucet designation from "Sink Faucets" Article>.

2.3 UTILITY SINKS

- A. Utility Sinks <Insert drawing designation>: Stainless steel, counter mounted.
1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. <Insert manufacturer's name>.
 2. Fixture:
 - a. Standard: ASME A112.19.3/CSA B45.4.
 - b. Type: Ledge back.

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- c. Number of Compartments: **[One] [Two] [Three]**.
- d. Overall Dimensions: **<Insert dimensions>**.
- e. Metal Thickness: **[0.050 inch (1.3 mm)] <Insert dimension>**.
- f. Compartment:
 - 1) Dimensions: **<Insert dimensions>**.
 - 2) Drain: **[Grid with NPS 1-1/2 (DN 40) tailpiece and twist drain] [Grid with NPS 2 (DN 50) tailpiece and twist drain] [NPS 1-1/2 (DN 40) tailpiece with stopper] <Insert drain>**.
 - 3) Drain Location: **[Centered in compartment] [Near back of compartment] [Near left side of compartment] [Near right side of compartment] <Insert location>**.
- g. Each Compartment:
 - 1) Dimensions: **<Insert dimensions>**.
 - 2) Drains: **[Grid with NPS 1-1/2 (DN 40) tailpiece and twist drain] [Grid with NPS 2 (DN 50) tailpiece and twist drain] [NPS 1-1/2 (DN 40) tailpiece with stopper] <Insert drain>**.
 - 3) Drain Location: **[Centered in compartment] [Near back of compartment] <Insert location>**.
- 3. Faucet(s): **<Insert sink-faucet designation from "Sink Faucets" Article>**.
 - a. Number Required: **[One] [Two]**.
 - b. Mounting: On ledge.
- 4. Supply Fittings:
 - a. Standard: ASME A112.18.1/CSA B125.1.
 - b. Supplies: Chrome-plated brass compression stop with inlet connection matching water-supply piping type and size.
 - 1) Operation: **[Loose key] [Wheel handle] <Insert type>**.
 - 2) Risers: **NPS 1/2 (DN 15), [chrome-plated, rigid-copper pipe] [chrome-plated, soft-copper flexible tube] [ASME A112.18.6, braided or corrugated stainless-steel flexible hose]**.
- 5. Waste Fittings:
 - a. Standard: ASME A112.18.2/CSA B125.2.
 - b. Trap(s):
 - 1) Size: **[NPS 1-1/2 (DN 40)] [NPS 2 (DN 50)]**.
 - 2) Material: Chrome-plated, **[two-piece, cast-brass trap and swivel elbow with 0.032-inch- (0.83-mm-) thick brass tube to wall] [two-piece, cast-brass trap and ground-joint swivel elbow with 0.032-inch- (0.83-mm-) thick brass tube to wall] <Insert trap type>**; and chrome-plated brass or steel wall flange.

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- 3) Material: Stainless-steel, two-piece trap and swivel elbow with **0.012-inch-**
(0.30-mm-) thick stainless-steel tube to wall; and stainless-steel wall flange.
- c. Continuous Waste:
 - 1) Size: **[NPS 1-1/2 (DN 40)] [NPS 2 (DN 50)]**.
 - 2) Material: Chrome-plated, **0.032-inch-** **(0.83-mm-)** thick brass tube.
6. Mounting: On counter with sealant.
- B. Utility Sinks **<Insert drawing designation>**: Stainless steel, freestanding.
 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. **<Insert manufacturer's name>**.
 2. Fixture:
 - a. Standard: ASME A112.19.3/CSA B45.4.
 - b. Type: With backsplash.
 - c. Number of Compartments: **[One] [Two] [Three]**.
 - d. Overall Dimensions: **<Insert dimensions>**.
 - e. Metal Thickness: **[0.050 inch (1.3 mm)] [0.063 inch (1.6 mm)]** **<Insert dimension>**.
 - f. Compartment:
 - 1) Dimensions: **<Insert dimensions>**.
 - 2) Drain: **[Grid with NPS 1-1/2 (DN 40) tailpiece and twist drain] [Grid with NPS 2 (DN 50) tailpiece and twist drain] [NPS 1-1/2 (DN 40) tailpiece with stopper]** **<Insert drain>**.
 - 3) Drain Location: **[Centered in compartment] [Near back of compartment] [Near left side of compartment] [Near right side of compartment]** **<Insert location>**.
 - g. Each Compartment:
 - 1) Dimensions: **<Insert dimensions>**.
 - 2) Drains: **[Grid with NPS 1-1/2 (DN 40) tailpiece and twist drain] [Grid with NPS 2 (DN 50) tailpiece and twist drain] [NPS 1-1/2 (DN 40) tailpiece with stopper]** **<Insert drain>**.
 - 3) Drain Location: **[Centered in compartment] [Near back of compartment]** **<Insert location>**.
 - h. Drainboard(s): **[Not required] [Both] [Left] [Right]** side(s).
 - 1) Dimensions Each: **[Not applicable]** **<Insert dimensions>**.
 3. Supports: Adjustable-length steel legs.
 4. Faucet(s): **<Insert sink-faucet designation from "Sink Faucets" Article>**.