

IBM Headquarters Assessment

05.21.2021

Denver, CO

Prepared By:

Spec-Intel.

123 Specification Road Chicago, IL 12345



GC America, Orlando, FL

A&D Design, Atlanta, GA

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Designation	CSI Number	Company	Product
CPT-1	09 68 16	Shaw Contract	3square
CPT-2	09 68 16	Shaw Contract	3square
PT- 4	09 65 16.33	ECORE Commercial Flooring	Aurora
VCT-1	09 65 19	Armstrong Flooring Commercial	Premium Excelon Crown Texture
CT-1	09 30 10	Daltile	Acacia Valley
Transition	09 30 00	Schluter Systems	Schluter SCHIENE
Stair Nosing	09 65 13.26	Tarkett	Stair Nosings Duracove TRADITIONAL DURACOVE THERMOPLASTIC RUBBER 1/8" (TYPE TP)
RWB 1	09 65 13.13	Tarkett	
Adhesive	09 68 00	Shaw Contract	Shaw 3500 Carpet Adhesive



ABOUT US

THE FLOORS Company is the leading provider of quality floor coverings to education, healthcare, corporate office, retail and hospitality organizations in the Pacific North- west. For the past 50 years, we have built our success on our unparalleled ability to deliver only the highest quality products with the lowest possible lifecycle cost, with expert installations and professional consultation services.

Our highly skilled team of installers have been individually trained and certified to install the many specialized flooring products The Flooring Company endorses. Our expert team of sales consultants pilot each project, be it a singular project or a 10-year renovation plan, from project assessment and budget management, to product selection, installation and maintenance.

ADDITIONAL SERVICES

- Floor Maintenance 24/7
- Reclamation
- Project Assessments
- Furniture Lift System
- Budget Management

IBM_Headquarters. (3)

Product ID	Product Designation	Manufacturer	Collection	Product Name	Product Number	Color Name	Color Number	Backing	Size	Finish	Phase	QUOTE
	ASSESSMENT / EXISTING											\$\$ AMOUNT
755064	CPT-1	Shaw Contract	I7	3square	5A046	Frame	46761	ULTRALOC	12 FT		LIABILITY	
755060	CPT-2	Shaw Contract	I7	3square	5A046	Old Fashioned	46400	ULTRALOC	12 FT		LIABILITY	
706037	PT- 4	ECORE Commercial Flooring	RX	Aurora		Metro	2713		30'-0" X 58" X 0.28"		60 DAYS	
321881	VCT-1	Armstrong Flooring Commercial	Vinyl Composition Tile	Premium Excelon Crown Texture	5C805	TBD	TBD		12 IN X 12 IN X 1/8 IN		60 DAYS	
469063	CT-1	Daltile	Colorbody Porcelain	Acacia Valley	S-43H9	Ash	AV05		3 X 18	MATTE	60 DAYS	
555714	Transition	Schluter Systems	Systems for tile and stone	Schluter SCHIENE	AE 100	Satin anodized aluminum			3/8"	SATIN ANODIZED ALUMINUM	60 DAYS	
485679	Stair Nosing	Tarkett	Stair Treads & Risers	Stair Nosings	SLN63A	Burnt Umber	63		1/4" MATERIAL ON STEP AND RISER		60 DAYS	
760762	RWB 1	Tarkett	Wall Base	Duracove TRADITIONAL DURACOVE THERMO	DC 63 4 X 120 1/8 TOE	Burnt Umber	63		4"		6 MONTHS	
320467	Adhesive	Shaw Contract	Adhesives	Shaw 3500 Carpet Adhesive	3500						6 MONTHS	
	PHASE II /REPLACEMENT											\$\$ AMOUNT
755064	CPT-1	Shaw Contract	I7	3square	5A046	Frame	46761	ULTRALOC	12 FT		LIABILITY	
755060	CPT-2	Shaw Contract	I7	3square	5A046	Old Fashioned	46400	ULTRALOC	12 FT		LIABILITY	
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320467	Adhesive	Shaw Contract	Adhesives	Shaw 3500 Carpet Adhesive	3500						6 MONTHS	



Phase 01 Monday
Phase 02 Tuesday

Phase 03 Wednesday
Phase 04 Wednesday

Phase 05 Thursday
Phase 06 Thursday

Phase 07 Thursday
Phase 08 Friday

Phase 09 Friday
Phase 10 Saturday

405 - 360



<https://www.shawcontract.com/en-us>

CPT-1

Shaw Contract

Product Name

I7 - 3square

Product Number

5A046

Color Name/Color Number

Frame/46761

Backing: Ultraloc

Size: 12 ft

Finish:

Shape:

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

Carpet Broadloom

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Offices

ShawContract®

3square

Product Type	Broadloom
Collection	L7
Style Number	5A046
Construction	Multi-Level Pattern Cut/Loop
Fiber	Eco Solution Q® Nylon
Dye Method	100% Solution Dyed
Primary Backing	Polypropylene
Secondary Backing	Ultraloc®
Protective Treatments	SSP® Shaw Soil Protection
Recommended Adhesive	Shaw 1000, Shaw 1200, Shaw 3800 or Shaw 1036



	u.s.	metric
Product Size	12 ft	3.66 m
Gauge	1/10 in	39.4 per 10 cm
Stitches	12.5 per in	49.0 per 10 cm
Finished Pile Thickness	0.190 in	4.83 mm
Average Density	6442 oz/yd³	0.238 g/cm³
Kilotex		11.63
Total Thickness	0.342 in	8.69 mm
Tufted Weight	34 oz/yd²	1152.8 g/m²
Installation Pattern Repeat	36 in x 36 in	91.44 cm x 91.44 cm

Recommended Installation Method

Direct Glue, Double Glue, Stretch-In

Performance + Testing

Antimicrobial Assessment	Passes (AATCC-174) (When installed using Shaw 1036 adhesive)
Pill Test	Pass
Radiant Panel	Class I
NBS Smoke	Less Than 450
Electrostatic Propensity	Less Than 3.5 kv
CRI Green Label Plus (GLP)	GLP2271
ADA Compliance	>0.6, meets the recommended static coefficient of friction for ADA walking surfaces and accessible routes***

Warranties

Lifetime Commercial Limited Warranty

Attributes + Certifications

Cradle to Cradle Certified™
 Health Product Declaration (HPD)
 Environmental Product Declaration (EPD)
 NSF 140
 CRI Green Label Plus (GLP)
 GSA
 CE Marking (EN 14041)
 Environmental Guarantee*
 Total Recycled Content
 Product Packaging
 Country of Origin**

Silver Level (Version 3.1)
Per GHS SDS Disclosure
3rd Party Certified in Accordance with ISO14044, ISO14025 & EN15804
Gold
GLP2271
Approved
3rd Party Certified
Pickup & Delivery Available in Americas
11% (Pre-Consumer 11% | Post-Consumer 0%)
100% Recyclable
USA

LEED Contribution Credit

MR Credit: Building Product Disclosure and Optimization
 Environmental Product Declarations - Option 1: Environmental Product Declaration (EPD)

3rd Party Certified in Accordance with ISO14044, ISO14025 & EN15804

MR Credit: Building Product Disclosure and Optimization
 Material Ingredients - Option 2: Material Ingredient Optimization

C2C Silver Level (Version 3.1)

Additional Information

* To learn more about the recyclability of our products and our Environmental Guarantee, please visit shawcontract.com/sustainability.

**Meets or exceeds all local and national regulations in country of manufacture. (Manufactured in an ISO 9001 & ISO 14001 certified facility or equivalent)

***This carpet is manufactured to be ADA compliant, but to be fully ADA compliant, the end-user must ensure the carpet is adhered to the floor and installed as outlined in the ADA standards.

[Installation Guidelines](#)

[Maintenance Guidelines](#)

Specifications are subject to nominal manufacturing variance. Material supply and/or manufacturing processes may necessitate changes without notice.

This product is an exclusive design and may not be duplicated in any manner. Use of this design in the creation of another product design is also strictly prohibited.

Visit shawcontract.com/testing for more information.





<https://www.shawcontract.com/en-us>

CPT-2

Shaw Contract

Product Name

I7 - 3square

Product Number

5A046

Color Name/Color Number

Old Fashioned/46400

Backing: Ultraloc

Size: 12 ft

Finish:

Shape:

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

Carpet Broadloom

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Match existing

ShawContract®

3square

Product Type	Broadloom
Collection	L7
Style Number	5A046
Construction	Multi-Level Pattern Cut/Loop
Fiber	Eco Solution Q® Nylon
Dye Method	100% Solution Dyed
Primary Backing	Polypropylene
Secondary Backing	Ultraloc®
Protective Treatments	SSP® Shaw Soil Protection
Recommended Adhesive	Shaw 1000, Shaw 1200, Shaw 3800 or Shaw 1036



	u.s.	metric
Product Size	12 ft	3.66 m
Gauge	1/10 in	39.4 per 10 cm
Stitches	12.5 per in	49.0 per 10 cm
Finished Pile Thickness	0.190 in	4.83 mm
Average Density	6442 oz/yd³	0.238 g/cm³
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Electrostatic Propensity	Less Than 3.5 kv
CRI Green Label Plus (GLP)	GLP2271
ADA Compliance	>0.6, meets the recommended static coefficient of friction for ADA walking surfaces and accessible routes***

Warranties

[Lifetime Commercial Limited Warranty](#)

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 Health Product Declaration (HPD)
 Environmental Product Declaration (EPD)
 NSF 140
 CRI Green Label Plus (GLP)
 GSA
 CE Marking (EN 14041)
 Environmental Guarantee*
 Total Recycled Content
 Product Packaging
 Country of Origin**

Silver Level (Version 3.1)
Per GHS SDS Disclosure
3rd Party Certified in Accordance with ISO14044, ISO14025 & EN15804
Gold
GLP2271
Approved
3rd Party Certified
Pickup & Delivery Available in Americas
11% (Pre-Consumer 11% | Post-Consumer 0%)
100% Recyclable
USA

LEED Contribution Credit

MR Credit: Building Product Disclosure and Optimization
 Environmental Product Declarations - Option 1: Environmental Product Declaration (EPD)

3rd Party Certified in Accordance with ISO14044, ISO14025 & EN15804

MR Credit: Building Product Disclosure and Optimization
 Material Ingredients - Option 2: Material Ingredient Optimization

C2C Silver Level (Version 3.1)

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* To learn more about the recyclability of our products and our Environmental Guarantee, please visit shawcontract.com/sustainability.

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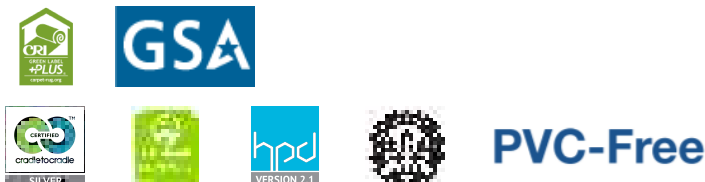
[Installation Guidelines](#)

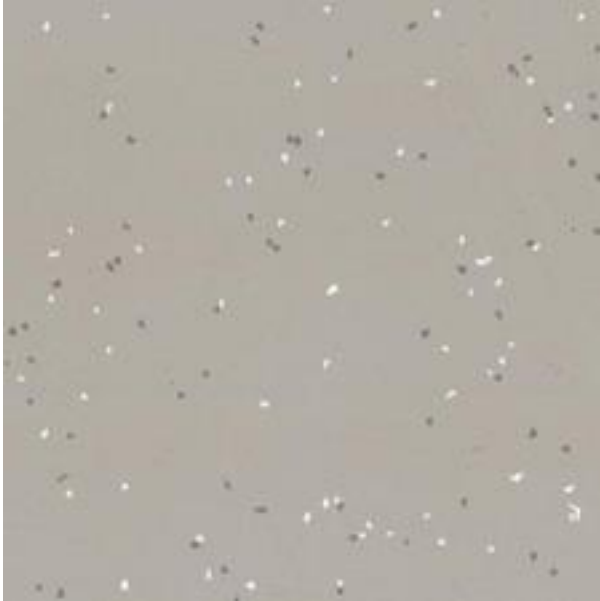
[Maintenance Guidelines](#)

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Visit shawcontract.com/testing for more information.





PT- 4

ECORE Commercial Flooring

Product Name

RX - Aurora

Product Number

Color Name/Color Number

Metro/2713

Size: 30'-0" x 58" x 0.28"

<http://www.ecorecommercial.com/>

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

Rubber Sheet Flooring

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Wet areas - Floor 3



Aurora



Engineered for comfort and safety, Aurora uses patented itsTRU Technology to fusion-bond a PUR-coated calendared rubber wear layer to 5 mm of Ecore's VCR backing. This two-layered PVC-free surface is manufactured to reduce the severity of fall-related injuries while mitigating liability. Ergonomic and quiet underfoot, Aurora creates a more comfortable space to work.

MARKETS

- Healthcare
- Education

APPLICATIONS

- Healthcare
- Pharmacies
- Offices
- Therapy
- Educational
- Hospitality
- Corporate/Commercial
- Retail
- Public Spaces

BENEFITS

- PUR-coated
- Hygienic because of heat-welded installation
- Quiet underfoot
- Ergonomic
- Colors create more calming, peaceful healing and learning environments

PRODUCT OPTIONS

Nominal Dimensions:

Available as a standard sheet, 7 mm thickness.
Talk to your local agent to determine availability, pricing, minimums and lead times.



58" (1.47 m) x 30 LF (9.14 m)
Thickness: 7 mm nominal
(2 mm surface layer + 5 mm rubber backing)

Color Options:

[Click here to visit our website for colors](#)

THE NRG FACTOR

NRG =



11.2%

Force Reduction
Absorption of impact energy



67.4%

Energy Restitution
Useful return of impact energy



Safety



Ergonomics



Acoustics

TECHNICAL DETAILS

Performance Criteria	Test Standard	Typical Results
Static Load Limit	ASTM F970 ASTM F970 Modified	0.003" (@250 psi) 0.003" (@1000 psi) after 96 hours
Coefficient of Friction	ASTM D2047	≥ 0.6
VOC Compliant	CA01350	Pass
Critical Radial Flux	ASTM E648	Class 1
Smoke Development	ASTM E662	Pass
Abrasion Resistance	ASTM D3389	Pass
G-Max	ASTM F355	721
Antimicrobial Resistance Test	ASTM G21	Pass
Resistance to Light	ASTM F1515	$\Delta E \leq 8.0$
Resistance to Heat	ASTM F1514	$\Delta E \leq 8.0$
Sound Transmission Class	E90	53
Impact Insulation Class*	ASTM E492	52
Delta IIC*	ASTM E2179	24
Floor Impact Sound	FIS	77.4 dBA

*Tested on a 6" concrete slab with no ceiling.

BUILT ON
itsTRU
TECHNOLOGY

empowered by
ecore[™]

TBD

<http://www.armstrong.com/commflooringna/>

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

VCT

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

VCT-1

Armstrong Flooring Commercial

Product Name

Vinyl Composition Tile - Premium Excelon Crown

Texture

Product Number

5C805

Color Name/Color Number

TBD/TBD

Backing:

Size: 12 in x 12 in x 1/8 in

Finish:

Shape: Tile

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Corridors

PRODUCT SPEC PAGE

PREMIUM EXCELON® Crown Texture™ | ChromaSpin™ | Stonetex® | Companion Square® Vinyl Composition Tile (VCT)

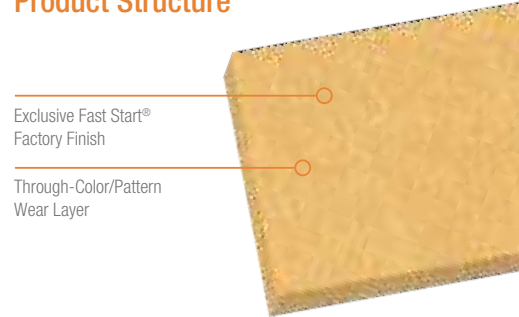
Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance Options
Vinyl Composition Tile	Crown Texture™ ChromaSpin™ Stonetex® Companion Square®	ASTM F1066 - Class 2 Through Pattern ISO 10595 Type II	1/8 in. (3.2 mm)	Fast Start®	S-515 High Moisture, S-525, S-700, S-750 or Flip® Spray Adhesive	Polish

Packaging

Tile Size	Tile per Carton/Coverage	Shipping Weight per Carton
12 in. x 12 in. (305 mm x 305 mm)	45 - 45 ft ² (4.18 m ²)	Approx. 63 lbs. / carton. (28.6 kg)

Product Structure



Testing

	Performance	Test Method	Requirement	Performance vs. Requirement
ASTM F 1066	Thickness	ASTM F 386	Nominal ± 0.005 in.	Meets
	Size	ASTM F 2055	± 0.016 in. per linear foot	Meets
	Squareness	ASTM F 2055	0.010 in. max	Meets
	Indentation – One Minute	ASTM F 1914	≥ 0.006 in. to ≤ 0.015 in.	Meets
	Indentation @ 115°F	ASTM F 1914	< 0.032 in.	Meets
	Impact	ASTM F 1265	No cracks beyond limit	Meets
	Deflection	ASTM F 1304	1.0 in. minimum	Meets
	Dimensional Stability	ASTM F 2199	≤ 0.024 in. per linear foot	Meets
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets
	Resistance to Heat	ASTM F 1514	ΔE not greater than 8.0	Meets
Additional Testing	Static Load Resistance	ASTM F 970*	≤ 0.005 in.	2000 psi
	Fire Test Data – Flame Spread	ASTM E 648	0.45 W/cm ² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	Fire Test Data – Canada	CAN/ULC S102.2	Use dependent	Flame Spread - 0 Smoke Developed - 30
	ADA Standards for Accessible Design	Chapter 3 Section 302.1	Floor surfaces shall be stable, firm and slip-resistant	Meets
	Static Coefficient of Friction**	ASTM D 2047/UL 410	≥ 0.5	Meets

* Testing at loads above 125 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance.

** Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.

PRODUCT SPEC PAGE

PREMIUM EXCELON® Crown Texture™ | ChromaSpin™ | Stonetex® | Companion Square® Vinyl Composition Tile (VCT)

Maritime Usage

IMO Resolution A653 (16) Surface Flammability Test - IMO Resolution MSC 61(67) Annex 1 Part 5 and Annex 2 Smoke and Toxicity Test - IMO Resolution MSC 61(67) Annex 1 Part 2 and Annex 2	Passes Passes
Safety Of Life at Sea (SOLAS) 1974 Regulation II-2/3,40.5.3.2.4 II-2/5,3.2.4 II-2/6.2	Compliant
United States Coast Guard	Approved

Sustainability

Certification Attribute	Standard	3rd party Certification/Certifier
Low-Emitting Material	CDPH v1.1 (2017) a.k.a CHPS 01350	FloorScore/SCS
Environmental Product Declaration (EPD)	ISO 14025	Yes/ASTM International
Plant Quality	ISO 9001	Yes/SAI Global

Performance	Standard	Requirement	Performance vs. Requirements
TVOC Range	CDPH v1.1 (2017) a.k.a CHPS 01350	<0.5 mg/m ³	Meets
Low Emitting Adhesives S-515 S-525 S-700 S-750 S-240 Flip® Spray Adhesive*	SCAQMD Rule #1168	Less than 50 g/L	S-515 Exceeds – 0 g/L S-525 Exceeds – 16 g/L S-700 Exceeds – 0 g/L S-750 Exceeds – 5 g/L S-240 Exceeds – 10 g/L Flip® Exceeds – 0 g/L
Material Ingredients (Option 1)	LEED v4	Content disclosure to 1000 ppm	Meets (See Armstrong Product Declaration)
Recycled Content	ISO 14021	Contains recycled content	Meets: 40% Total - ChromaSpin™, (10% Post-Consumer and 30% Pre-Consumer) 30% Pre-Consumer - Raffia™, Companion Square®, Stonetex® 25% Total - Crown Texture™ (5% Post-Consumer and 20% Pre-Consumer)

* Flip® Spray Adhesive is Cradle to Cradle Silver certified.

Limited Warranty

5-year Commercial Warranty when installed in accordance with Armstrong's Guaranteed Installation Systems manual, F-5061.

ArmstrongFlooring.com/commercial | 1 888 276 7876



*Exception Recycled Content

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FloorScore® is a registered trademark of the Resilient Floor Covering Institute.
LEED® is a registered trademark of the United States Green Building Council
All other marks are trademarks of Armstrong Flooring, Inc. or its subsidiaries.



CT-1

Daltile

Product Name

Colorbody Porcelain - Acacia Valley

Product Number

S-43H9

Color Name/Color Number

Ash/AV05

Size: 3 x 18

Finish: Matte

Shape: Bullnose

<https://www.daltile.com/>

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Tiling

Type

Porcelain

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

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[Warranty Sheet]

[SDS Sheet]

Product Notes

Wet areas



FLOOR

ACACIA VALLEY™
COLORBODY™ PORCELAIN

 **daltile®**
IMAGINE WHAT'S POSSIBLE™



Cover photo features Ark 9 x 36 and 6 x 36 field tile in a random linear pattern on the floor.
 Above photo features Alder 9 x 36 field tile in a random linear pattern on the floor.

The Look of Exotic Hardwood with the Performance of Tile

Rich in detail and color, Acacia Valley™ is designed to replicate the exotic visual of Acacia wood, which is often associated with high-end furniture. Because it was created with Tru-Edge™ technology, Acacia Valley can be installed with minimal grout joints, further enhancing the natural hardwood look. It also is designed with durability and performance in mind allowing it to be used in any room, including bathrooms and kitchens. Acacia Valley gives any space the sophistication and style of expensive hardwood with the durability and versatile use of porcelain tile.

- VISUAL APPEAL
 - Large plank sizes can be used together to create a typical hardwood visual
 - Tru-Edge™ allows for tighter grout joints and a more wood-like installation
- WARM, UNIQUE COLOR PALETTE
 - Available in natural and rich hues for enhanced design appeal
- HIGH PERFORMANCE
 - Unlike hardwood, can be used in wet areas, such as bathrooms and kitchens

 **PRE-CONSUMER RECYCLED MATERIALS**

 **MADE IN THE U.S.A.**

 **REVEAL IMAGING®**

All or select items within this series meet the requirements for these qualifications. For more information visit daltile.com.

USAGE

Floors	Walls	Countertops
F	W	C

 **CERTIFIED RECYCLED**
PORCELAIN TILE
0.5% or less water absorption

FLOOR TILE



ASH – 6 x 36 AV05, 9 x 36 AV13



ARK – 6 x 36 AV06, 9 x 36 AV14



ALDER – 6 x 36 AV07, 9 x 36 AV15





RIDGE – 6 x 36 AV08, 9 x 36 AV16

FLOOR

ACACIA VALLEY™

COLORBODY™ PORCELAIN

SIZES

			Thickness	Sq. Ft./ Carton	Pieces/ Carton
	9 x 36 Floor Tile (AV13, AV14, AV15, AV16)	(8-7/8" x 35-1/4") (22.50 cm x 89.50 cm)	3/8"	13.02	6
	6 x 36 Floor Tile (AV05, AV06, AV07, AV08)	(5-3/4" x 35-1/4") (14.00 cm x 89.50 cm)	3/8"	12.78	9

APPLICATIONS




	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.


TRIM

	Type	Number	Size	Pieces/ Carton
	Bullnose	S-43H9	3 x 18	16
	Cove Base	S-36C9TB	6 x 12	22
	Cove Base Outcorner	SC-36C9TB	1 x 6	15

Cove base trim is intended to coordinate with floor tile in the standard 90-degree installation position.

Cove base and cove corner trim are suitable for non-freezing climates only.

INSTALLATION

Grout Joint Recommendation	Shade Variation
1/8" (3/16" when installing tile with a length 15" or greater in a staggered brick-joint pattern; overlap should not exceed 33%.)	 Random (V4)

PERFORMANCE CHARACTERISTICS

	ASTM#	Result
Water Absorption	C373	< 0.5%
Breaking Strength	C648	> 275 lbs
Scratch Hardness	MOHS	8.0
Chemical Resistance	C650	Resistant
Abrasion Resistance	C1027	N/A

For additional information on test results, visit us at: daltile.com/information/TestResults.

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Not for use on ramps. Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to "Factors to Consider" at: daltile.com/Factors.

Random visuals enhance the natural beauty of this product. To achieve optimal results, all tile should be selected from multiple cartons and shading and graphic arrangement planned prior to installation.

Special consideration needs to be given when installing tiles greater than 15 inches. Please refer to daltile.com/LargeTiles for more information.

Special care should be taken when grouting with dark pigmented colors. A grout release is recommended to prevent finely powdered pigments from lodging in the pores of the surface. Use of a latex modified thin-set is recommended for installation.



DESIGNED TO HELP EARN LEED™ CREDITS. For more detailed information, visit daltilegreenworks.com.

7834 C.F. Hawn Freeway,
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at daltile.com.



IMAGINE WHAT'S POSSIBLE™

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Transition

Schluter Systems

Product Name

Systems for tile and stone - Schluter SCHIENE

Product Number

AE 100

Color Name/Color Number

Satin anodized aluminum/

Size: 3/8"

Finish: Satin anodized aluminum

https://www.schluter.com/schluter-us/en_US/

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Tiling

Type

Accessories

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Tile

FLOOR PROFILES



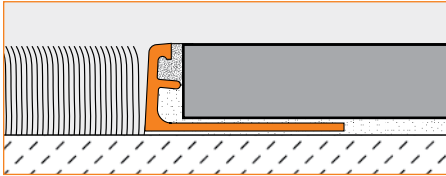
INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

FINISHING, EDGE PROTECTION, AND TRANSITIONS

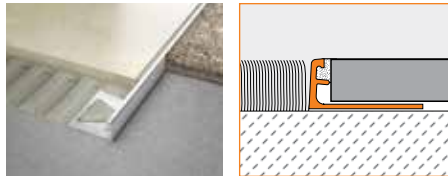
Because ceramic and stone tiles are inherently brittle, their exposed edges can chip and crack if left unprotected. Transitions between floor surfaces and at thresholds are particularly vulnerable to damage. Schluter-Systems offers a variety of profiles to provide edge protection and transitioning at thresholds and between adjacent surfaces, resulting in durable, maintenance-free tiled coverings. The profiles can be grouped into two categories: transitions between same-height surfaces and transitions between different-height surfaces.

Application and Function

Same-height Transitions



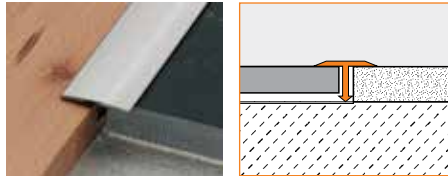
1.1 Schluter®-SCHIENE is designed to provide edging for tile coverings. Typical applications include edge protection where tile is bordered by carpet, at expansion joints, or as a decorative edging for stairs. SCHIENE is available in stainless steel, solid brass, aluminum, and anodized aluminum. The profile features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and an 87° sloped vertical wall section that transfers point loads to the substrate and surface covering while protecting tile edges from damage. SCHIENE, in solid brass, aluminum, and anodized aluminum, features a 5° sloped top flange and fillet at the anchoring leg/vertical section interface to enhance edge protection by reducing



1.1 Schluter®-SCHIENE

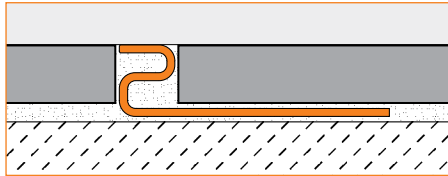


1.6 Schluter®-DECO

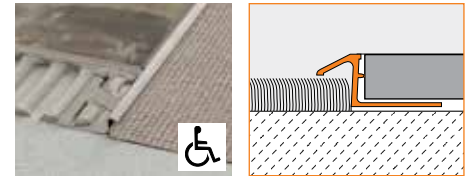


1.3 Schluter®-RENO-T

stresses on the tile, and, in sizes greater than 1/4" (6 mm), features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of SCHIENE, in all materials, is available with a special radius perforation "R" so that the profile can be used to form curves.



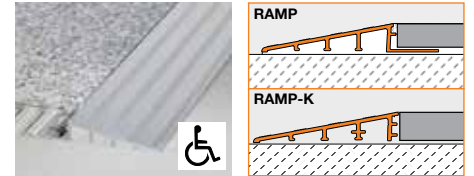
1.6 Schluter®-DECO is designed to provide decorative lines within tile coverings and edge protection at transitions from tile coverings to other same-height surface coverings, such as wood or carpet. The profile is available in stainless steel, solid brass, chrome-plated solid brass, and



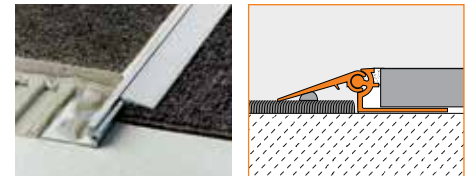
1.4 Schluter®-RENO-TK



1.2 Schluter®-RENO-U



1.8 Schluter®-RENO-RAMP/-K



1.7 Schluter®-RENO-V

anodized aluminum. DECO features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a 1/4" (6 mm)-wide visible surface that meets the high aesthetic requirements of showrooms, lobbies, galleries, exhibition booths, etc. The anchoring leg of DECO, in solid brass, chrome-plated solid brass, and anodized aluminum, is available with a special radius perforation "R" so that the profile can be used to form curves. DECO in chrome-plated brass requires a relatively large bending radius.



Material Properties and Areas of Application

Schluter edge-protection and transition profiles are resistant to most chemicals encountered in tiled environments. In special cases, the suitability of a proposed type of profile must be verified based on the anticipated chemical, mechanical, and/or other stresses. Exceptions and special considerations are listed below:

Stainless steel profiles are roll-formed, resulting in a slightly different contour from those made of extruded brass or aluminum. Stainless steel can sustain high mechanical stresses and is particularly well suited for applications requiring resistance against chemicals and acids; for example in the food industry, breweries, dairies, commercial kitchens, and hospitals, as well as in residential applications. Typically, the profiles are formed using stainless steel 304 (1.4301 = V2A). For more severe chemical exposure, such as de-icing salts and chemicals used in swimming pools, we recommend the use of stainless steel 316 L (1.4404 = V4A), which offers even higher corrosion resistance than the 304. Even stainless steel cannot withstand all chemical exposures, such as hydrochloric acid, hydrofluoric acid or certain chlorine, chloride, and brine concentrations.

Chrome-plated solid brass is ideal for matching chrome fixtures. Surfaces must be protected against abrasion or scratching. **Solid brass** can sustain high mechanical stresses, as well as most chemicals commonly encountered in tiled environments. Solid brass that is exposed to air will oxidize, resulting in a natural patina. If exposed to moisture or aggressive substances, heavy oxidation and spotting may occur.

Aluminum profiles must be tested to verify their suitability if chemical stresses are anticipated. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminum is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and duration of exposure) may result in corrosion (aluminum hydroxide formation). Therefore, it is important to remove mortar or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that

all cavities are filled to prevent the collection of alkaline water.

Anodized aluminum profiles feature an anodized layer that retains a uniform appearance during normal use, but is not color-stable in exterior applications. The surface is susceptible to scratching and wear and may be damaged by grout or setting material. Therefore, these materials must be removed immediately. Otherwise, the description regarding aluminum applies.

Cutting Profiles

Observe all safety instructions and standards as directed by the cutting tool manufacturer, including protective eyewear, hearing protection, and gloves.

Always measure carefully and dry fit the profiles, corners, and connectors to ensure proper fit and alignment prior to setting tile.

Aluminum profiles may be cut using any of the following options:

- **Hacksaw** with a bimetal blade and the highest teeth per inch (TPI) available.
- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Chop saw or Miter Saw** with a non-ferrous blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Stainless steel profiles may be cut using any of the following options:

- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Band Saw** with a metal cutting blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Installation

SCHIENE, DECO, RENO-TK, RENO-U, RENO-RAMP, and RENO-V

1. Select the profile according to tile thickness and format.

Note: When using Schluter® uncoupling membranes with RENO-U and RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg

when selecting the profile height.

2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.
For RENO-U and RENO-RAMP, fill the cavity beneath the sloped section of the profile with thin-set mortar. Follow this step when RENO-V is used in heavy-duty applications, as well.
3. Press the perforated anchoring leg of the profile into the mortar and align.
4. Trowel additional thin-set mortar over the perforated anchoring leg to ensure full coverage and support of the tile edges.
5. Solidly embed the tiles so that the tiled surface is flush with the top of the profile; the profile should not be higher than the tiled surface, but rather up to approx. 1/32" (1 mm) lower.
6. Set the tile to the integrated joint spacer, which ensures a uniform joint of 1/16" - 1/8" (1.5 - 3 mm). For DECO and stainless steel profiles, leave a space of approximately 1/16" - 1/8" (1.5 - 3 mm).
7. Fill the joint completely with grout or setting material.
8. Remove grout or mortar residue from the visible surface of the profile.

RENO-RAMP-K

1. Fill the cavity beneath the sloped section of the profile with thin-set mortar.
2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.
3. Press the profile into the mortar and abut to the adjacent floor covering. The profile should not be higher than the adjacent floor covering, but rather up to approx. 1/32" (1 mm) lower.
4. Fill the joint completely with grout or setting material.
5. Work with materials and tools that will not scratch or damage sensitive surfaces. Setting materials must be removed immediately.

RENO-T

1. Select the profile according to joint width, to ensure proper support of the lateral crosspiece.



2. The joint cavity must be at least 3/8" (9 mm) deep and free of debris. Substances that inhibit adhesion must be removed from the sides of the joint.
3. Fill the joint with elastomeric sealant such as Schluter®-KERDI-FIX or similar. Then insert the vertical leg of RENO-T in the joint so that the lateral crosspiece rests completely on the edges of the surface coverings.
4. Remove any excess sealant with a suitable cleaner.

Maintenance

Schluter edge-protection and transition profiles require no special maintenance or care and are resistant to mold and fungi. Clean profiles using common household cleaning agents.

Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion.

All cleaning agents must be free of hydrochloric acid, hydrofluoric acid, and chlorides. Stainless steel surfaces develop a sheen when treated with a chrome-polishing agent.

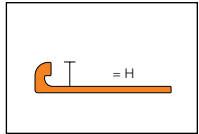
Oxidation films on exposed **solid brass** or **aluminum** can be removed by using a conventional polishing agent, but will form again.

In the case of **anodized aluminum**, **color-coated aluminum**, and **chrome-plated solid brass**, do not use abrasive cleaning agents.

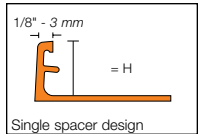
Product Item Numbers



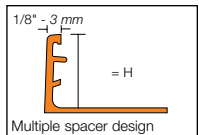
Aluminum, Brass
3/32" - 3/16" (2 - 4.5 mm)



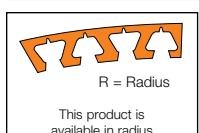
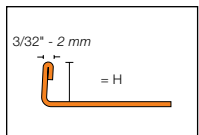
1/4" - 1/2" (6 - 12.5 mm)



17/32" - 1-3/16" (14 - 30 mm)



Stainless steel

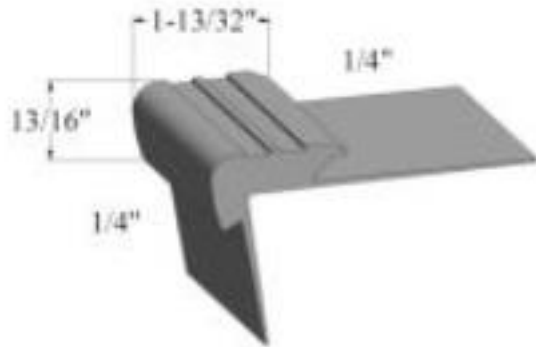


1.1 Schluter®-SCHIENE

H = mm - in.	Item No.					
	Stainless steel 316L (1.4404 = V4A) (EV4A)	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Aluminum (A)	Satin anodized aluminum (AE)
2 - 3/32	-	E 20	-	-	A 20	AE 20
3 - 1/8	-	E 30	-	M 30	A 30	AE 30
4.5 - 3/16	E 45/V4A	E 45	-	M 45	A 45	AE 45
6 - 1/4	E 60/V4A	E 60	E 60 EB	M 60	A 60	AE 60
7 - 9/32	-	E 70	-	-	A 70	AE 70
8 - 5/16	E 80/V4A	E 80	E 80 EB	M 80	A 80	AE 80
9 - 11/32	-	E 90	-	M 90	A 90	AE 90
10 - 3/8	E 100/V4A	E 100	E 100 EB	M 100	A 100	AE 100
11 - 7/16	-	E 110	E 110 EB	M 110	A 110	AE 110
12.5 - 1/2	E 125/V4A	E 125	E 125 EB	M 125	A 125	AE 125
14 - 17/32	-	E 140	-	-	A 140	AE 140
15 - 9/16	E 150/V4A	E 150	-	M 150	A 150	AE 150
16 - 5/8	-	E 160	-	M 160	A 160	AE 160
17.5 - 11/16	E 175/V4A	E 175	-	M 175	A 175	AE 175
20 - 3/4	E 200/V4A	E 200	-	M 200	A 200	AE 200
21 - 13/16	-	-	-	-	A 210	AE 210
22.5 - 7/8	E 225/V4A	E 225	-	M 225	A 225	AE 225
25 - 1	E 250/V4A	E 250	-	M 250	A 250	AE 250
27.5 - 1-1/16	-	-	-	-	A 275	AE 275
30 - 1-3/16	E 300/V4A	E 300	-	M 300	A 300	AE 300

Length supplied: 8' 2-1/2" — 2.5 m

Note: Additional finishes are available for this product. The design configuration of Schluter®-SCHIENE is identical to that of Schluter®-JOLLY (see Wall and Countertop Profiles). However, their materials and finishes do vary. SCHIENE, in all materials and finishes, is suitable for floor applications, as well as wall and countertop applications. JOLLY is suited primarily for walls and countertops. However, JOLLY in AM, AMGB, AK, AKGB, AT, ATGB, ABGB and ACGB is also suitable for floors, and may be used in such applications to increase design options.



SLN-XX-A
1/4" material on step and riser

Stair Nosing

Tarkett

Product Name

Stair Treads & Risers - Stair Nosings

Product Number

SLN63A

Color Name/Color Number

Burnt Umber/63

Size: 1/4" material on step and riser

<https://commercial.tarkett.com>

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

Resilient Stair Nosings

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Nosing

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. Proprietary Product: Resilient Vinyl Stair Nosings

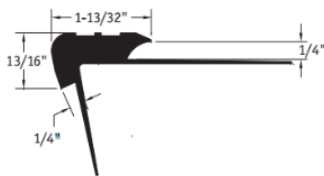
1.2. Manufacturer:

Tarkett Phone: (800) 899-8916
 30000 Aurora Rd. (440) 543-8916
 Solon, Ohio 44139 Tech: Ext 9297
 Web: www.tarkettna.com Samples: Ext 9299
 E-mail: info@johnsonite.com

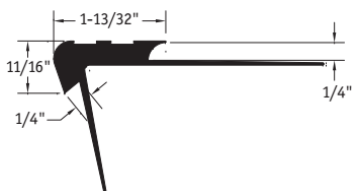
1.3. Proprietary Product Description:

1.3.1. **Construction:** Johnsonite Vinyl Stair Nosings are manufactured from a homogeneous composition of polyvinyl chloride (PVC), high quality additives, and colorants Johnsonite Vinyl Stair Nosings are designed for interior applications only and not recommended for commercial kitchen environments.

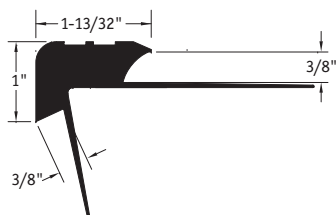
1.3.2. Styles:



SLN-XX-A: Double Undercut Carpet Vinyl Stair Nosing, 3/4" (2.0 cm) tread depth, ~1-2/5" (3.6 cm) hinged square nose configuration, undercut for 1/4" (6.35 mm) to 1/4" (6.35 mm) carpet on step and riser.



SLN-XX-B: Double Undercut Carpet Vinyl Stair Nosing, ~2/3" (1.7 cm) tread depth, ~1-2/5" (3.6 cm) hinged square nose configuration, undercut for 3/16" (4.8 mm) to 3/16" (4.8 mm) carpet on step and riser.



SLN-XX-C: Double Undercut Carpet Vinyl Stair Nosing, ~3/5" (1.4 cm) tread depth, ~1-2/5" (3.6 cm) hinged square nose configuration, undercut for 3/8" (9.5 mm) to 3/8" (9.5 mm) carpet on step and riser.

1.3.3. **Physical Characteristics:** Lengths: 12 ft. (3.66 m), Packaging: 120 ft. (39.58 m) per carton

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- Meets ASTM F-2169 performance standards for Resilient Stair Treads, Type TV, Class 2
- **Abrasion Resistance:** ASTM D 3389, < 1.00 gram weight loss
- **Slip Resistance:** ASTM D 2047 - Exceeds Federal Standards and ADA recommendations of .6 for flat surfaces
- **Fire Resistance:** ASTM E 648/NFPA 253 (Critical Radiant Flux) - Class 1

3. INSTALLATION

3.1. See Stair Tread, Nosing, Riser, and Stringer installation instructions for complete details.

3.2. Adhesives:

- **Tarkett 946 Premium Contact Adhesive Coverage:**
 Non-porous Substrate:
 24 – 36 sq. ft. per 1 kg (0.95 quart) unit
 144 – 215 sq. ft. per 6 kg (1.44 gallon) unit
- **Tarkett 930 Two-part Epoxy Nose Caulk Coverage:**
 50 linear feet per 30 oz. cartridge
 (Based on approximately 1/4" bead size)

4. AVAILABILITY AND COST

Available through authorized Tarkett distributors nationwide.

5. WARRANTY

Limited 2 year warranty. For complete details, contact Tarkett or an authorized Tarkett distributor.

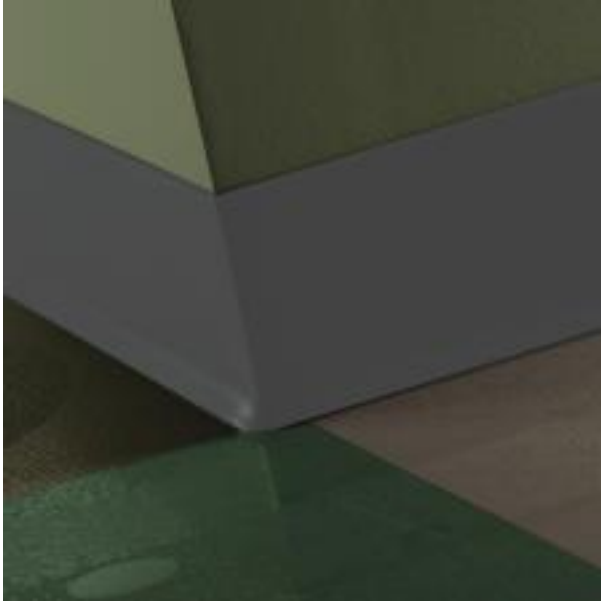
6. MAINTENANCE

72 hours after installation is completed, initial maintenance procedures can be implemented. Refer to vinyl nosing maintenance instructions for complete details.

7. TECHNICAL SERVICES

Samples: Submittal samples for verification and approval available upon request from Tarkett. Samples shall be submitted in compliance with the requirements of the contract documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

For current Installation and Maintenance Instructions, Product Specifications, and other technical data, visit us on the web at www.tarkettna.com or contact Tarkett at 1-800-899-8916.



<https://commercial.tarkett.com>

RWB 1

Tarkett

Product Name

Wall Base - Duracove TRADITIONAL DURACOVE
THERMOPLASTIC RUBBER 1/8" (TYPE TP)

Product Number

DC 63 4 X 120 1/8 TOE

Color Name/Color Number

Burnt Umber/63

Backing:

Size: 4"

Finish:

Shape: Duracove TOE

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

Wall Base - Resilient

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. Proprietary Product: Thermoplastic Wall Base

1.2. Manufacturer:

Tarkett North America Phone: (800) 899-8916
30000 Aurora Rd. (440) 543-8916
Solon, Ohio 44139
Web: www.tarkettna.com

1.3. Proprietary Product Description:

1.3.1. **Construction:** Tarkett Traditional Wall Base is manufactured from a proprietary rubber and vinyl formulation designed specifically to meet the performance and dimensional requirements of ASTM F-1861, Type TV (Thermoplastic Vinyl) and TP (Thermoplastic Rubber), Group 1 (solid), Style A and B, Standard Specification for Resilient Wall Base.

1.3.2. Styles/Physical Characteristics:

Rubber Wall Base

- **Traditional:** DC-XX with toe (coved) or DCT-XX for toeless (straight), 0.125" (3.17 mm) thickness, 2-1/2" (6.35 cm), 4" (10.16 cm), 4 1/2" (11.4 cm) or 6" (15.24 cm) height

Available in 4' (1.22 m) straight lengths and 120' (36.58 m) coiled lengths. The 6" (15.24 cm) high profile available in 4' (1.22 m) straight lengths and 100' (30.48 m) coiled lengths

- **Wall Art:** WA-XX w/toe (coved), 0.125" (3.17 mm) thickness, 4" (10.16 cm) height

Available in 4' (1.22 m) straight lengths only

- **Inside and Outside Corners** available with 4" (10.16 cm) returns packaged 25 per carton, add LIC (Inside corners) or LOC (Outside corners)

Vinyl Wall Base

- **Traditional:** CB-XX with toe (coved) or CBT-XX toeless (straight), 0.125" (3.17 mm) or 0.080" thickness, 2-1/2" (6.35 cm), 4" (10.16 cm), or 6" (15.24 cm) height

Cartons size: Available in 4' (1.22 m) straight lengths and 120' (36.58 m) coiled lengths. The 6" (15.24 cm) high profile available in 4' (1.22 m) straight lengths and 100' (30.48 m) coiled lengths

- **Inside and Outside Corners** available with 4" (10.16 cm) returns packaged 25 per carton, add LIC (Inside corners) or LOC (Outside corners)

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1. Meets or exceeds the performance requirements for resistance to heat/light aging, chemicals, and dimensional stability when tested to the methods, as described, in ASTM F-1861.

2.2. **Flexibility:** Will not crack, break, or show any signs of fatigue when bent around a 1/4" (6.4 mm) diameter cylinder.

2.3. **Chemical resistance** (ASTM F 925): Passes – 5% acetic acid, 70% isopropyl alcohol, mineral oil, 5% sodium hydroxide solution, 5% hydrochloric acid solution, 5% sulfuric acid solution, 5% household ammonia solution, and 5.25% household bleach solution

2.4. **Resistance to light** (ASTM F 1515): $\Delta E < 8$

2.5. Fire Resistance:

Vinyl Wall Base

ASTM E 648 (NFPA 253): Critical Radiant Flux – Class I

Rubber Wall Base

ASTM E 648 (NFPA 253): Critical Radiant Flux – Class I

3. AVAILABILITY AND COST

For availability and cost contact authorized Tarkett distributors nationwide.

4. INSTALLATION

4.1. See Tarkett wall base installation instructions for complete details.

4.2. Adhesives:

- **Tarkett 960 Cove Base Adhesive** (Porous surfaces):

Application: 1/8" x 1/8" x 1/8" square notched trowel

Approximate coverage:

2 1/2" high – 300 to 350 linear feet/gallon

4" high – 200 to 250 linear feet/gallon

6" high – 100 to 150 linear feet/gallon

- **Tarkett 946 Premium Contact Adhesive** (Non-porous surfaces)

Application: Brush or roller

Approximate coverage:

1 Quart (0.95 liters) – 24 to 36 sq. ft.

1 Gallon (3.79 liters) – 100 to 150 sq. ft.

5. MAINTENANCE

72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to Rubber Stair Tread Maintenance Instructions for complete maintenance details.

Tarkett North America

Technical Services Department

30000 Aurora Road

Solon, Ohio 44139

800.899.8916

info@tarkettna.com

www.tarkettna.com



6. TECHNICAL SERVICES

Visit us on the web at www.tarkettna.com

Contact Technical Support at (800) 899-8916 or E-mail:

Resilient.TechnicalSupport@Tarkett.com

Samples: Submittal samples for verification and approval available upon request from Tarkett. Samples shall be submitted in compliance with the requirements of the contract documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

7. LIMITED WARRANTY

Limited 2 year warranty. For complete details, contact Tarkett or an authorized Tarkett distributor

Tarkett North America

Technical Services Department

30000 Aurora Road

Solon, Ohio 44139

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Adhesive

Shaw Contract

Product Name

Adhesives - Shaw 3500 Carpet Adhesive

Product Number

3500

Color Name/Color Number

<https://www.shawcontract.com/en-us>

Project: **IBM Headquarters Assessment 05.21.2021**

Category

Flooring

Type

Sundries

Submitted by

Spec-Intel.

<https://www.spec-intel.com>

Architect

A&D Design, Atlanta, GA

General Contractor

GC America, Orlando, FL

Documents in bold included:

Spec Sheet

[Installation Sheet]

[Maintenance Sheet]

[Warranty Sheet]

[SDS Sheet]

Product Notes

Carpet



3500

Specification

Installation Instructions

See Shaw's EcoWorx Broadloom Installation Guidelines for additional information. Installation guidelines can be obtained by contacting Shaw Contract Group at 1 (877) 502.7429 www.shawcontractgroup.com For installation assistance please contact Shaw Commercial Installation Services at 1.800.471.7429.

Porous Substrate: Concrete in the absence of excessive moisture, alkali, and hydrostatic pressure, APA registered plywood underlayment, hardboard, or association grade particle board underlayment.

Non-Porous Substrate: Sealed concrete, stripped VCT, or ground terrazzo. (Increased open time may be needed over non-porous subfloors.) Note: not recommended over existing vinyl flooring.

Sub-floor must be structurally sound, clean, level and dry. Remove all foreign substances such as wax, grease, dirt and any substance or chemical that would interfere with the adhesive bond. Fill all holes and cracks with a cement based patching compound containing a latex additive. Sand any existing high spots. Install felt or hardboard underlayment over tongue and groove flooring to eliminate the possibility of telegraphing. It is recommended that the installer perform tests for alkalinity (pH results should range between 5 - 9). Take corrective measures if concrete surface pH exceeds 9. Moisture tests should be performed using an anhydrous calcium chloride test according to ASTM F-1869 test method. Moisture emissions according to ASTM F-1869 test method should not exceed 5.0 lbs. per 1000 square feet per 24 hours (2.27 kg/92.9m²/24 hours). Relative Humidity readings according to ASTM F-2170 must be below RH 80%. If both tests are performed the RH test is the qualifying standard.

The adhesive, floor covering, and installation site must be maintained at a temperature of 65°-95°F (18.30°-43.09°C) and relative humidity not to exceed 65% for 24 hours before, during, and permanently afterwards.

Recommended Trowel Size and Notch	Coverage
Non-Patterned Products 3/32" x 3/32" x 3/32" U-notch	8 – 9 sq. yds. per gln. / 4 gln. Container Up to 3.0 sq. meters / liter
Patterned Products 1/8" x 1/8" x 1/8" U-notch	5 – 7 sq. yds. per gln. / 4 gln. Container Up to 2.0 sq. meters / liter

*Trowel dimensions are width x depth x spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held. It is the installer's responsibility to apply the proper amount of adhesive for the job condition.

1. Apply adhesive to substrate with recommended trowel. The adhesive is ready for carpet installation when the entire ridge of glue becomes tacky. This can be checked by firmly placing a finger into the ridge of adhesive and pressing to the floor. Lift slowly and the adhesive should stick to the floor and your finger and have leg or strings for one to two inches. Fans or air movers blowing across not on the adhesive will greatly reduce required open time.
2. This backing should be rolled widthwise, and then lengthwise with a 75 – 100 lb. roller to assure transfer of the adhesive between the floor and carpet backing and to eliminate any trapped air. Work from the center towards the edge to expel trapped air. Failure to perform this could result in bubbling or unwanted air pockets.
3. Roll until carpet is bonded uniformly to the substrate. If carpet lifts at seams or if bubbles occur, roll again until carpet is bonded firmly to floor. This backing may require steaming. Please see Shaw Industries EcoWorx[®] Broadloom Installation Guidelines for details regarding steaming.
4. Seal all seams according to flooring manufacturer's recommendation.

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- Inadequate adhesive application or set up time may result in bubbles and/or peaked seams and repair will require more time and effort than proper initial installation. In order to alleviate bubbles, creases, pile distortion and crushing, it is advised to steam the carpet. Successful steaming is dependent on an adequate application of adhesive.
- Clean-up: Use warm soapy water while adhesive is still wet. Use a safety solvent if dried.

Description

3500 EcoWorx Broadloom Carpet Adhesive

Shaw 3500 is an extremely high solids, high strength, and fast grabbing carpet adhesive. Shaw 3500 requires a minimum of 30 minutes tack time for most installations.

Weight	Pallet Qty.	Pallet Weight
39 lbs.	48	1961lbs.

Freeze / Thaw	to 10°F (-12°C)
V.O.C.	Less than .5 grams per liter
Base:	Synthetic rubber, resin blend
Appearance:	Off white, smooth, easy-to-spread mastic
Working Time:	20-30 minutes under normal conditions
Shelf Life:	One year in unopened container at 70°F (21°C).
Flammability:	Non-flammable. Meets NFPA Class A and UBC Class 1 as determined by the ASTM E84 Tunnel Test and also passes the pill test.

KEEP OUT OF THE REACH OF CHILDREN Do not take internally. If swallowed, do not induce vomiting - call a physician immediately.

Environmental

LEED – qualifies for Indoor Environmental Quality Category Credit 4.1 Low Emitting Materials

GLP 82405

California South Coast Air Quality Management District SCAQMD Rule 1168

California CHPS Section 01350

Warranty

This product is covered by a 1-year limited warranty. For more detailed information and limitations on this limited warranty, please ask your authorized Shaw retailer or contact Shaw Contract Group at 1 (877) 502.7429 www.shawcontractgroup.com.

IBM Headquarters Assessment 05.21.2021

Denver, CO

Thank you for the opportunity to provide this document, created for the benefit of the owner and those working on the owner's behalf.

We believe that our business is uniquely qualified to perform the necessary work, and provide the products and services as specified for this project.

Prepared by:



Spec-Intel.

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END OF SECTION

We utilize information gleaned from manufacturer websites to compile data and images to create a custom Project Binder for you. Please note that acceptance of this Project Binder, visiting our website, or utilizing our related services explicitly waives Spec-Intel of ALL liability pursuant to our Terms and Conditions.