

**California Universities
Systemwide Floor Covering
Contract**

LOOKBOOK

Miliken



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About Milliken

Milliken is a different kind of company. Fueled by innovation and committed to design, Milliken has been exploring, discovering and creating ways to enhance people's lives since 1865. The company's community of innovators has developed one of the largest collections of United States patents held by a private company.

Milliken combines design with proprietary technologies and unique insights to add true value to people's lives, improve health and safety, and help make the world more sustainable.

Today, the company operates in a number of diverse disciplines including specialty chemicals, performance and protective textiles, and floor coverings.

7,000+

Direct employees worldwide

4

CONTINENTS

Regional headquarters located in

North America

Europe

Asia

Australia

LEADERSHIP

Halsey Cook

President and CEO

Jim McCallum

President of Global Floorcovering

Matt Cooper

Vice President of Sales, Americas

You come into contact with Milliken products

50 Times a Day



Participating University Entity Locations

List of Participating University Entity Locations

1. UC Berkeley
2. UC Davis Campus
3. UC Davis Healthcare System
4. UC Irvine Campus
5. UC Irvine Healthcare System
6. UC Los Angeles Campus
7. UC Los Angeles Healthcare System
8. UC Merced
9. UC Riverside
10. UC San Diego Campus
11. UC San Diego Healthcare System
12. UC San Francisco Campus
13. UC San Francisco Healthcare System
14. UC Santa Barbara
15. UC Santa Cruz
16. UC Hastings
17. UC Office of the President

Site-Related Solutions

Moisture Management

Every installation has its own challenges. Milliken's Site-Related Solutions are designed to handle just about any situation. Our superior moisture management is what makes it possible.

Chances of a Moisture-Based Failure? Next to impossible.

Ask another manufacturer the same question. Or if they stand behind their products with a lifetime warranty against adhesive breakdown due to moisture vapor emissions. Milliken does. Every one of our cushion-backed modular carpet products carries precisely that warranty.

OUR BACKING IS UNIQUE

Unlike hardback, our WellBAC™ cushion backing allows moisture vapor to escape freely. The formation of liquid water is nearly impossible. Water is the cause of some very nasty problems (like mold, mildew, and adhesive breakdown). With Milliken WellBAC™ cushion backing these expensive and time-consuming moisture-based failures are virtually eliminated.

Milliken modular carpet can handle concrete with higher relative humidities than other products. Provided our timing guidelines are followed, our products

have **no pH or RH limits**. Nor do we require moisture testing prior to installation.

REDUCED FLOOR PREP

No need to clean up old adhesives, saving time and money. Manufacturers who use PVC backings require the removal of old adhesives due to the potential for a chemical reaction called plasticizer migration. PVC carpet tile could start to slide around as the adhesive dissolves into an oozing mess. Milliken WellBAC™ cushion backing is non-reactive, so that won't happen to our carpet tile.

Fully warrantied under
virtually every circumstance.

NO MOISTURE
TESTING
REQUIRED

And no RH or pH limits.

Install as soon as

30
DAYS

on New Concrete Slabs



HEALTH & WELLNESS

With Milliken moisture management it's virtually impossible for water to form under your carpet. No mold, no mildew.

Why is this important? Mold and mildew can create health concerns, migrate to other building systems like HVAC, and affect indoor air quality. In worst-case scenarios mold problems can be very expensive to mitigate.

There are also health concerns associated with the floor prep that PVC-backed carpet may require in renovations.

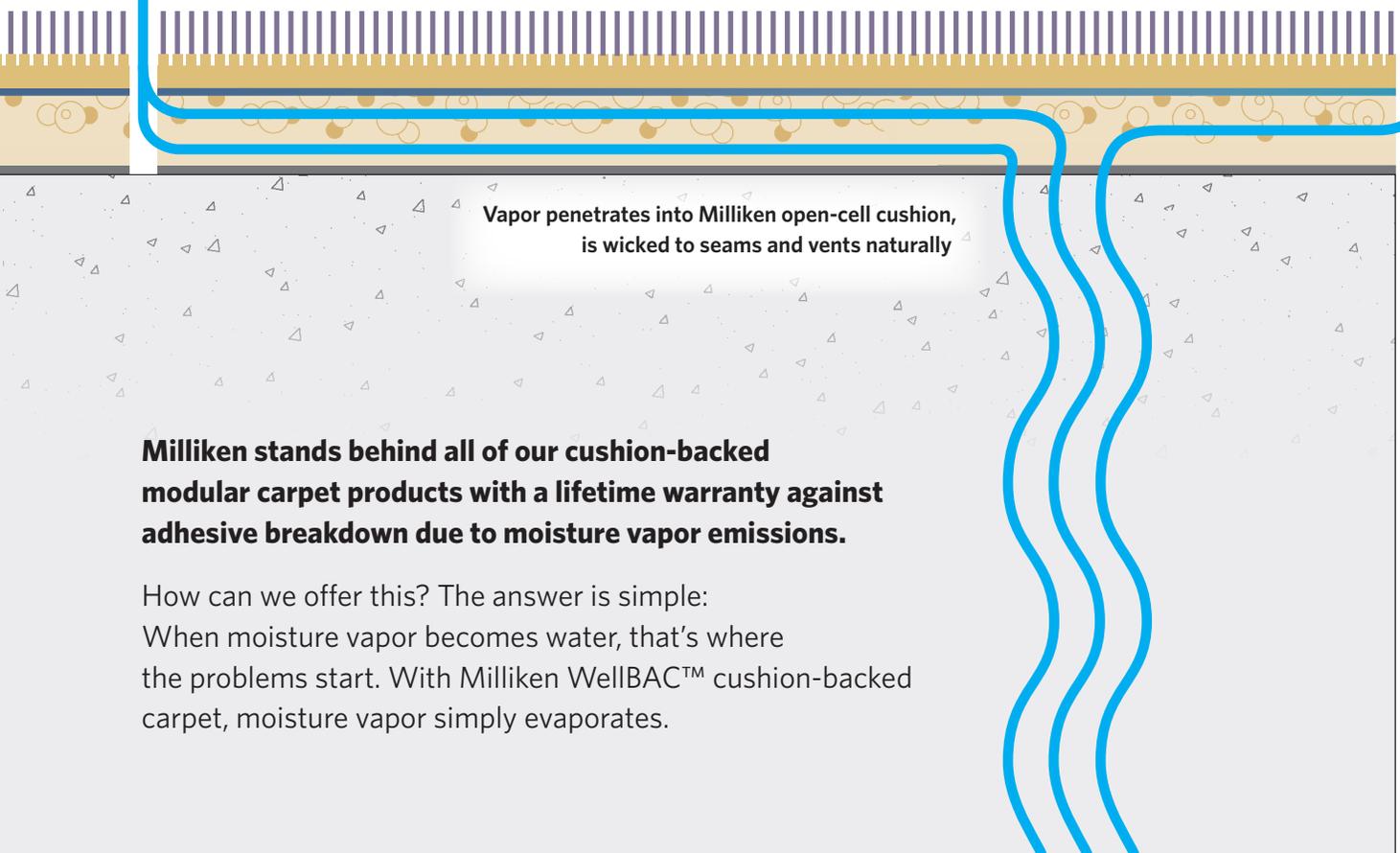
Grinding or mechanically removing existing adhesive can adversely affect indoor air quality — not to mention the VoCs that can be associated with solvents used for the same purpose. These issues can sometimes linger after the work itself is finished. That's another reason why Milliken's non-reactive backing is a Health & Wellness positive.

Moisture Management

A quick primer: What sets Milliken's moisture management apart from most other manufacturers?

Milliken uses a simple and effective approach to moisture management: Let natural processes happen naturally.

Unlike with hardback products, water vapor has a way to escape from beneath Milliken's WellBAC™ cushion backing. It travels freely through our open-cell cushion, until evaporating naturally through seams at the edges of each carpet tile.



Milliken stands behind all of our cushion-backed modular carpet products with a lifetime warranty against adhesive breakdown due to moisture vapor emissions.

How can we offer this? The answer is simple: When moisture vapor becomes water, that's where the problems start. With Milliken WellBAC™ cushion-backed carpet, moisture vapor simply evaporates.

WELL Living Lab

3rd Party Verified, Red List Free

RedListFreeCushionBacking

- Milliken's PVC free Carpet Tiles meet the stringent criteria for Red List Free as designated by the Living Building Challenge.
- Milliken Red List Free Declare Labels have been 3rd Party Verified for accuracy, the first product to receive this designation in the industry; going beyond LEED v4 requirements.
- All Milliken Suppliers have disclosed the ingredients for our raw materials to 100 Parts Per Million (PPM)
- All ingredients screened against the Living Building Challenge "Red List", Cradle to Cradle Banned List, and Greenscreen List Translator.

Modular Carpet Tile with Solution Dyed Nylon 6,6 Fiber

Red List Free

Milliken



PRODUCT DESCRIPTION:

Modular Carpet with Solution Dyed Nylon 6,6 Face Fiber with Underscore or Comfort Plus Backing.

Declare.

Modular Carpet Tile with Solution Dyed Nylon 6,6 Fiber
Milliken & Company

Final Assembly: LaGrange, GA, USA
Life Expectancy: 15 Years
End of Life Options: Recyclable (100%)

Ingredients:

Backing: Aluminatesilicate, Bitumens, Polyethylene Terephthalate/Polybutylene Terephthalate, Calcium Oxide, Polypropylene, Styrene-Butadiene-Vinylidene Chloride Based Polymer, Styrene-Butadiene Copolymers, Fiberglass, Hydrocarbons, c6-20, Polymers, Hydrogenated, Potassium Oxid, 2-Propenoic Acid, Polymer with 1-Propene, Nylon 6, Salt of Polycarboxylic Acid, Antimony Oxide (Trioxide), Stearic Acid; Face Fiber: Poly[imino(1,6-Dioxo-1,6-Hexanedyl)imino-1,6-Hexanedyl], Polymer, Polycaprolactam Thermoplastic Resin, Caprolactam, Carbon Black; Cushion: Calcium Carbonate, Oxirane, Methyl-, Polymer with Oxirane, Ether with 1,2,3-Propanetriol (3:1), 4,4'-Methylenediphenyl Diisocyanate, Quartz, Polymethylenepolyphenyl Polyisocyanate, Glycerol Ethoxylated / Propoxylated, Copolymer, Diethylene Glycol, Oxirane, Methyl-, Polymer with Oxirane, Ether with 1,2-Propanediol (2:1), Benzene, 1-Isocyanato-2-[(4-Isocyanatophenyl)Methyl]-, Benzene, c10-13-Alkyl Derivs, Siloxanes and Silicones, Di-Me, Hydroxy-Terminated, Ethoxylated Propoxylated, Poly(Oxy-1,2-Ethanedyl), Alpha-Phosphono-Omega-(Dodecyloxy)-, Compd. with 2,2'-iminobis[Ethanol], (Eo 2-8 Mol), Benzene, 1,1'-methylenebis[2-Isocyanato-, Benzenamine, N-Phenyl-, Reaction with 2,2',4,4'-Tetrahydroxyethane, Ethanol, 2,2'-[1,2-Ethanedyl]bis(Oxy)]Bis-, Various Additives

Living Building Challenge Criteria:

MKN-0013	EXP 01 OCT 2018
VOC Content: N/A	VOC Emissions: CDPH Compliant
Third Party Verified ✓	Declaration Status
	■ LBC Red List Free
	□ LBC Compliant
	□ Declared

MANUFACTURED BY MILLIKEN & COMPANY | 1000 SUSTAINABILITY
INTERNATIONAL LIVING FUTURE INSTITUTE | declareproducts.com

Milliken Joins Well LivingLab

The WELL Building Standard stresses the following points:

90% amount of time we spend indoors, on average

90% average percentage of a company's total operating cost spent on people

70% portion of our overall health we can attribute to our physical and social environments

The spaces we create are important. Because we spend so much time in them. Because they have a real effect on our well-being. And because it makes economic sense for us to create spaces that are great.

At Milliken, we try to make products that perform well for people, by designing all kinds of intrinsic benefits directly into them. We join 18 other building science and medical research leaders in coming together to creating healthier spaces in which we live and work. We will contribute to the work by:

- Applying material transparency and selection knowledge gleaned from the floor covering industry. Diving into the material make-up of Milliken flooring products allowed for the company to better understand - and ultimately, make more informed decisions about - sourcing materials for responsible product development.
- Advocating for safety and wellness principles, which Milliken has a legacy of developing and implementing.
- Serving as a resource in health, wellness and environmental matters extending beyond the built environment.



**INDOOR
HEALTH
BEGINS
HERE.**

Milliken Services

Milliken Services

Milliken Services, LLC is a division of Milliken & Company that provides a full-service turnkey program created to respond to the demand from our national account/multi-location clients desiring to bundle the purchase of materials and labor services through one Purchase Order. As a service division of Milliken & Company, Milliken Services, LLC establishes a dedicated account team with a single point of contact to manage all aspects of project management which provides a streamline, repeatable process for our clients.

Primary Services Provided:

- Coordination of project estimates, sites visits, proposals and order processing
- Proactive communication between all project participants
- Insures quality technical and installation procedures
- Responsible for scheduling all elements of each project for timely delivery and installation
- Supervises a national network of trained professional installation partners that are skilled in each segment
- Managing all job-site scopes of work which includes occupied renovations, removal/disposal of existing flooring, floor preparation and installation
- Trouble shooting and issue resolution

Why Turnkey Services:

- Streamline project management – Single point of Contact
- Ease of issuing one purchase order to combine material and labor
- Competent and Trained installation partners. Products will be installed per manufacturer specifications
- Cost and Budget control through consistent pricing
- Repeatable process managed by one team
- Vertically Integrated Warranty – No Finger Pointing

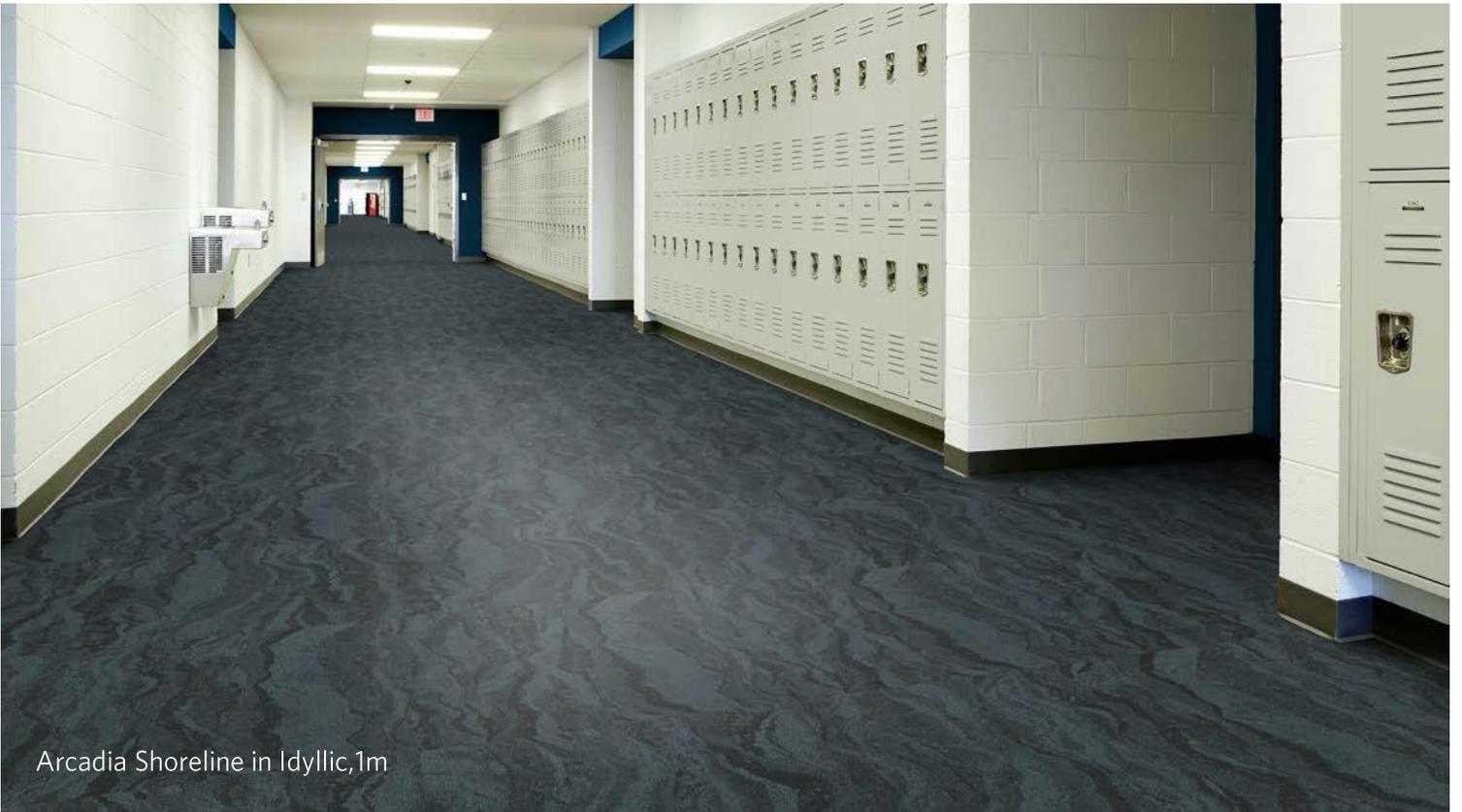
We welcome the opportunity to discuss how these services might benefit your corporate real estate management team to create a program that fits your needs and challenges.

Product Portfolio

ARCADIA



Arcadia Grassland in Halcyon, 25cm x 1m



Arcadia Shoreline in Idyllic, 1m

ARCADIA



Arcadia Terrain in Acreage, 25cm x 1m

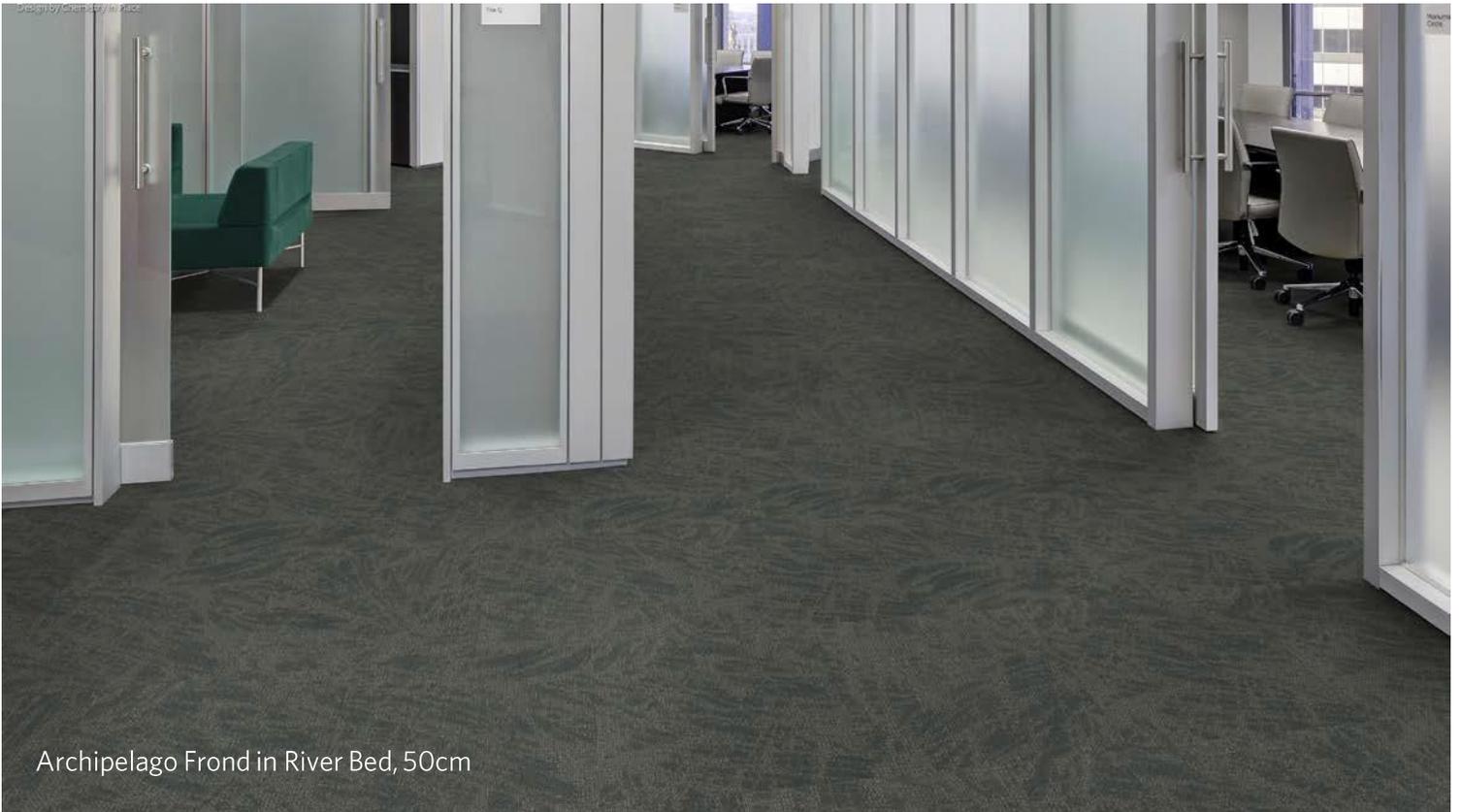


Arcadia Undercurrent in Poetic, 1m

ARCHIPELAGO



Archipelago Cassia in Bay, 50cm



Archipelago Frond in River Bed, 50cm

ARCHIPELAGO



Archipelago Mangrove in Silt, 50cm



Archipelago Sea Grape in Clay, 50cm

ARCTIC SURVEY

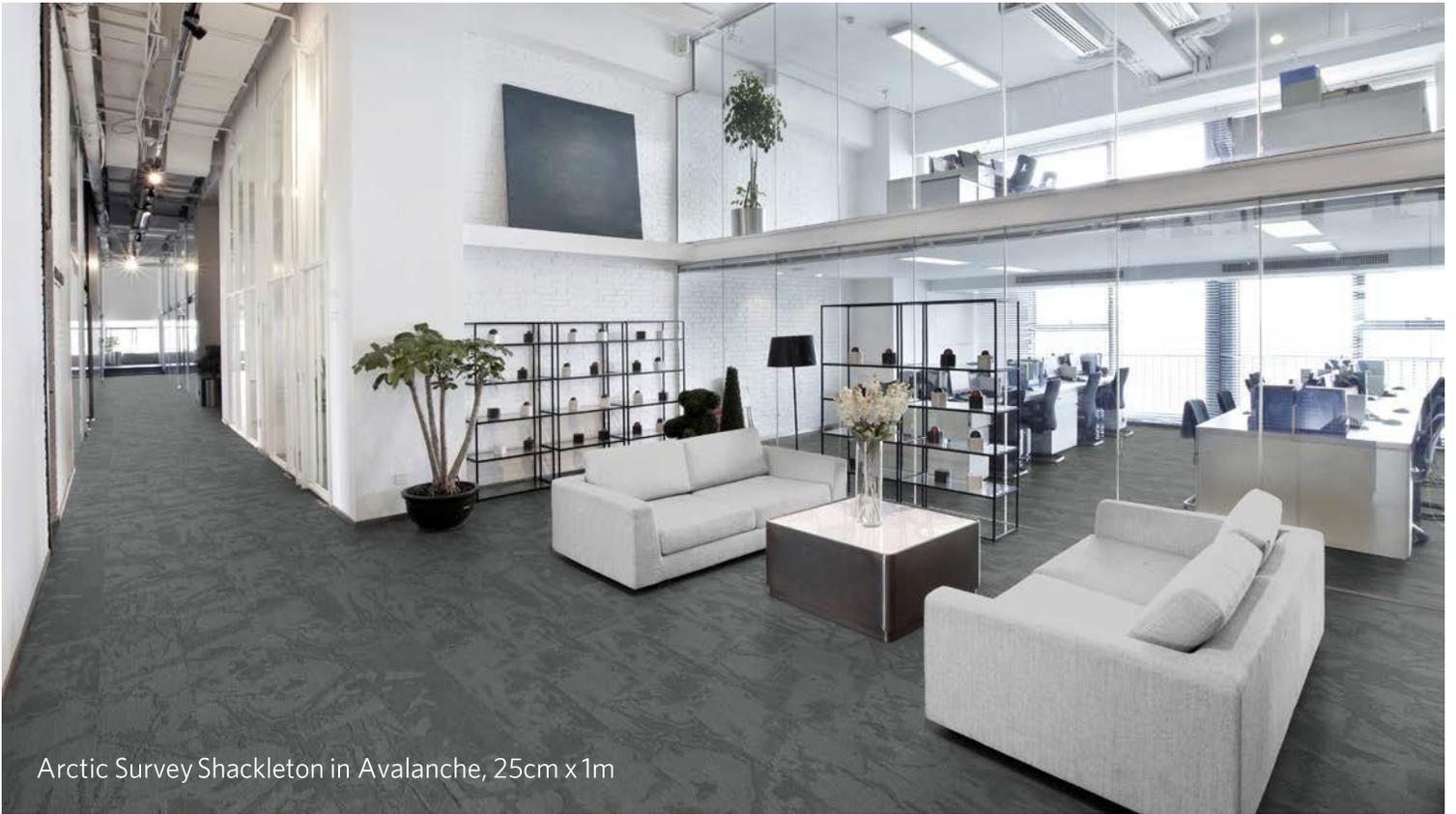


Arctic Survey Expedition in Sub Zero, 25cm x 1m

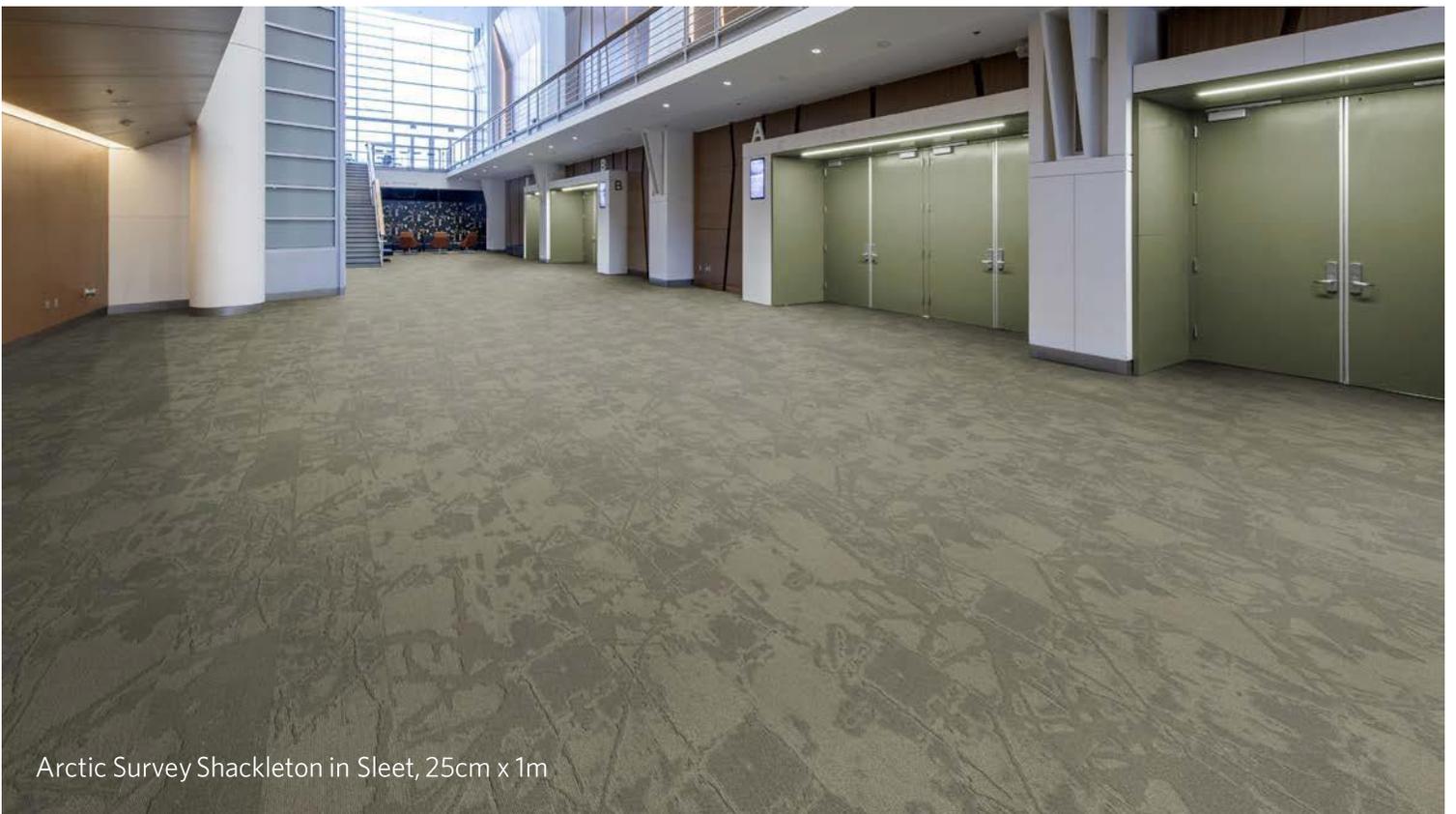


Arctic Survey Isotherm in Permafrost, 25cm x 1m

ARCTIC SURVEY



Arctic Survey Shackleton in Avalanche, 25cm x 1m

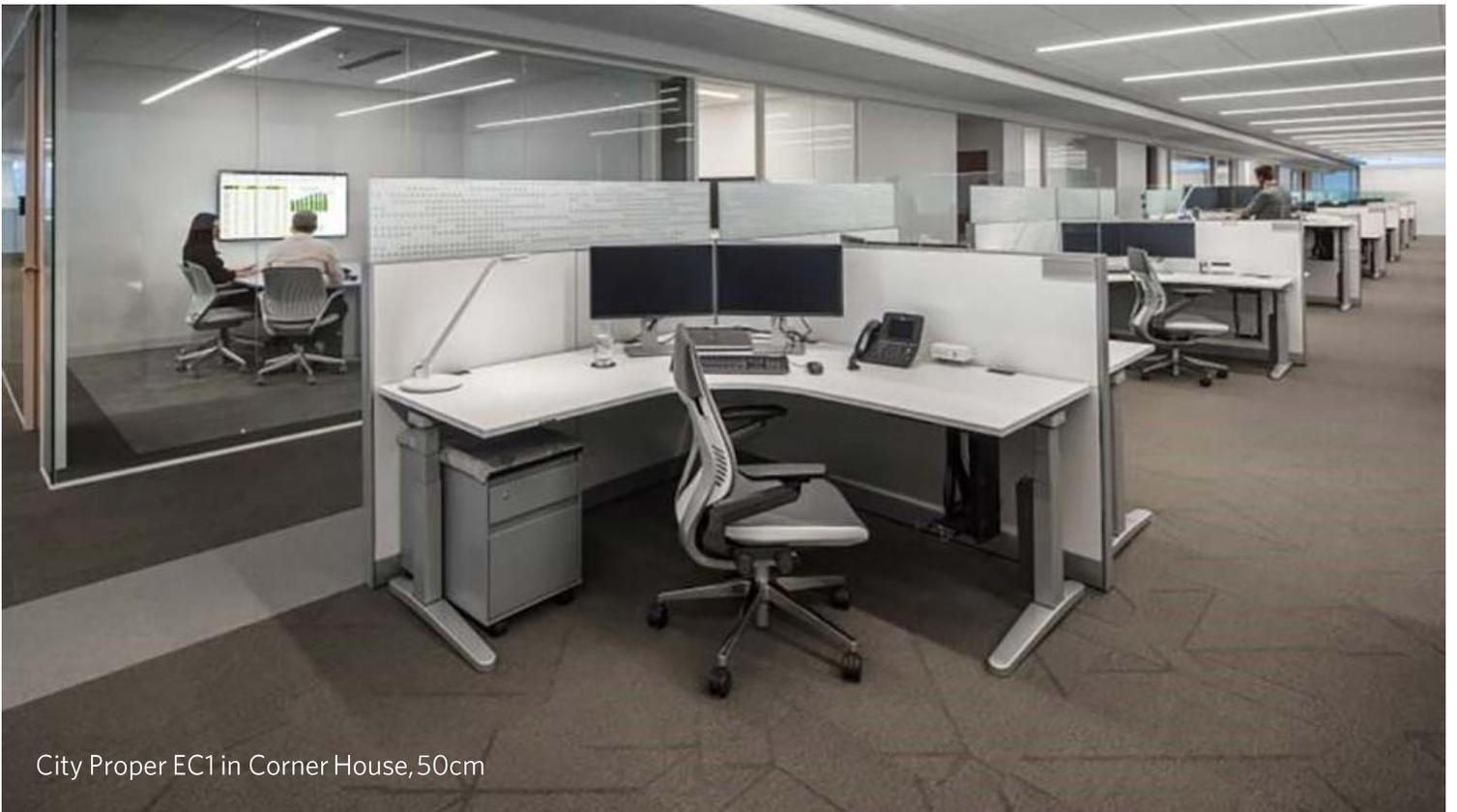


Arctic Survey Shackleton in Sleet, 25cm x 1m

CITY PROPER



City Proper Design Quarter in Liberty, 50cm



City Proper EC1 in Corner House, 50cm

CITY PROPER

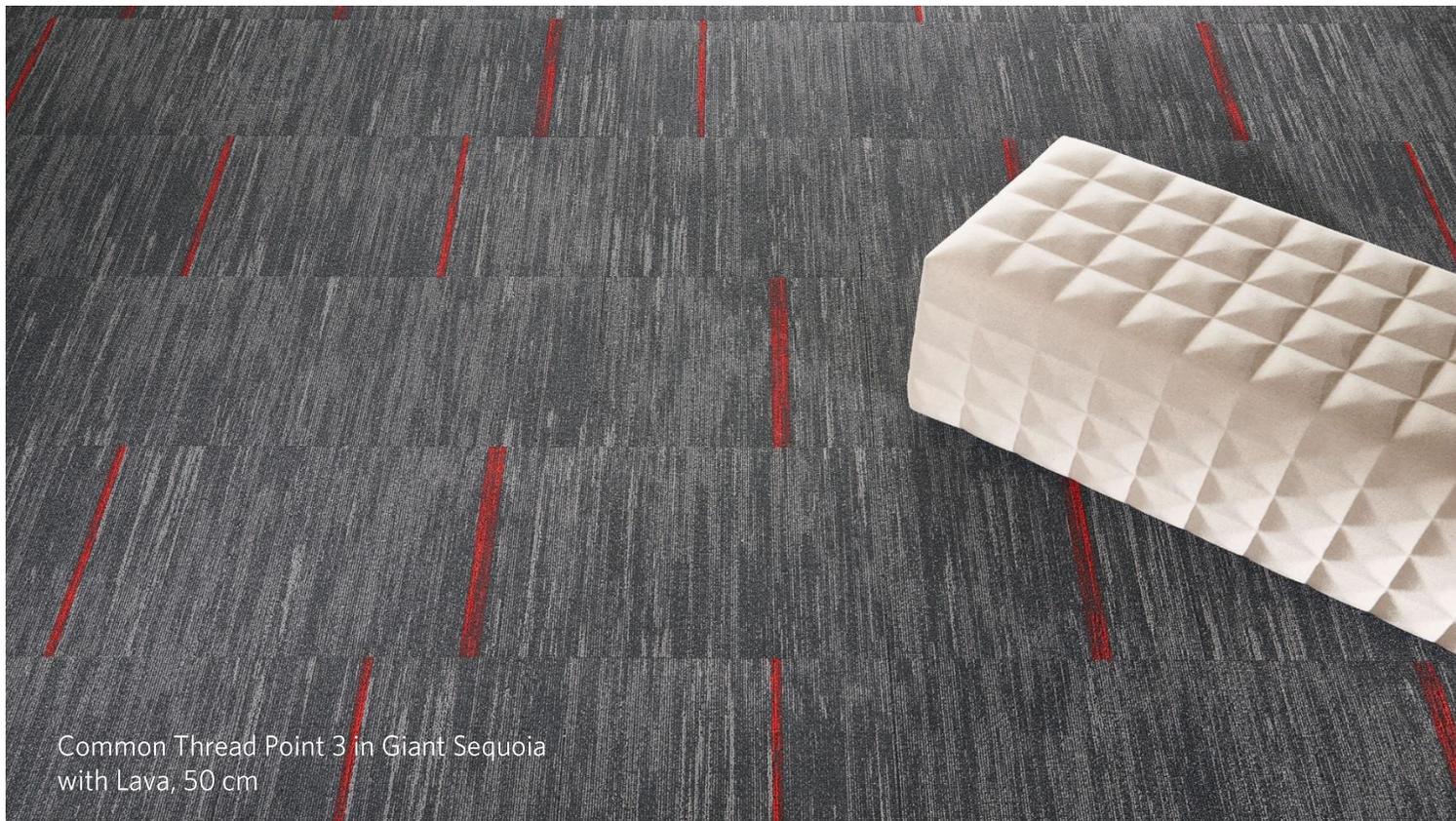


City Proper Underground in John's Gate, 50cm



City Proper Underground in Corner House, 50cm

Common Thread



Common Thread Point 3 in Giant Sequoia
with Lava, 50 cm



Common Thread Point 3 in Alerce with Electric, 50 cm

Common Thread



Common Thread Point 5 in Baobab with Saffron



Common Thread Point 8 in Giant Sequoia with Lava, 50 cm

CONTINENTAL



Continental Crystalline in Galena, 25cm x 1m



Continental Pillow Ridge in Kyanite, 25cm x 1m

CONTINENTAL



Continental Prism in Granite, 25cm x 1m



Continental Rift in Obsidian, 25cm x 1m

CONTINENTAL



Continental Talus in Cyprine, 25cm x 1m



Continental Talus in Andesite, 25cm x 1m

FORMWORK

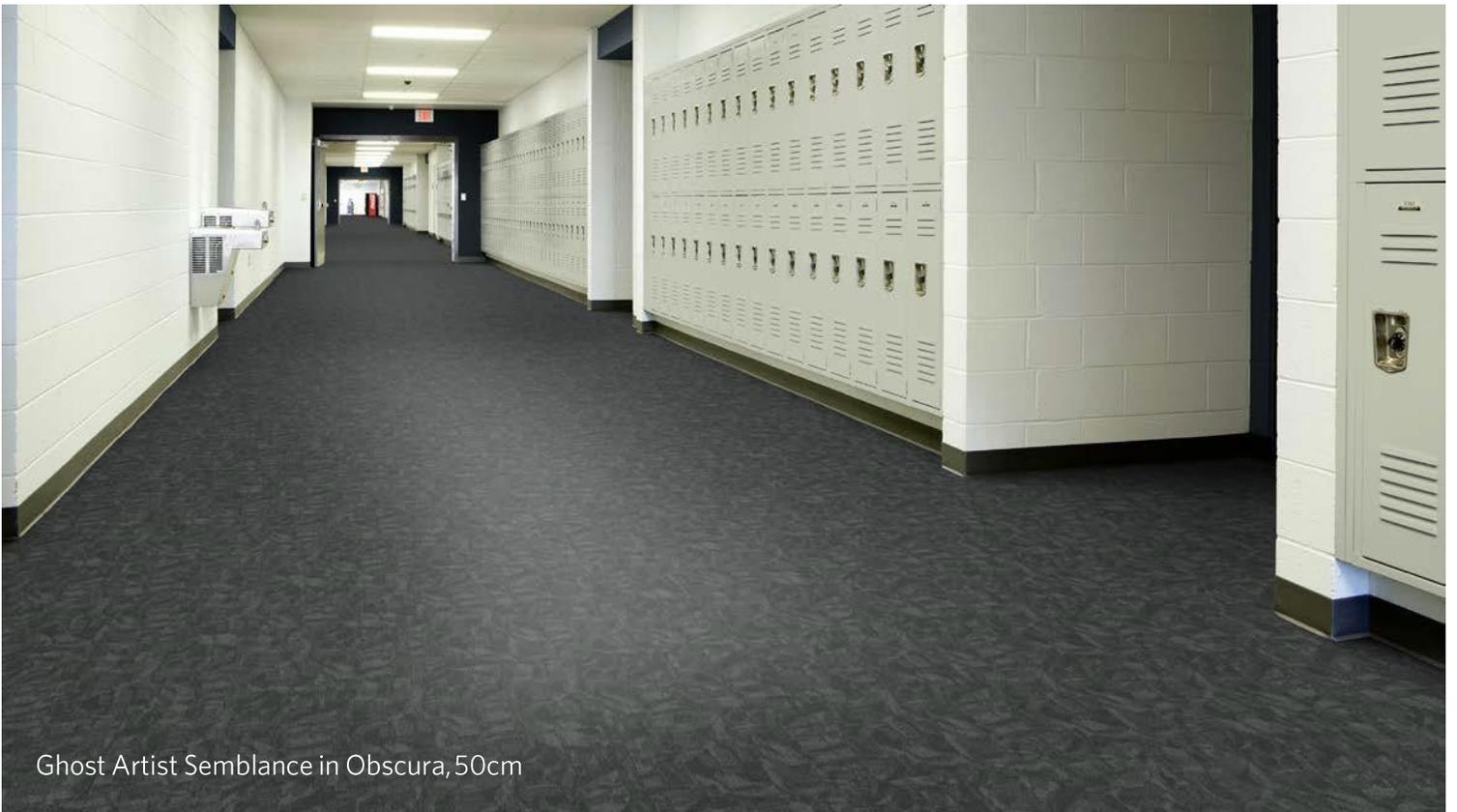


Formwork in Abacus, Gable & Atrium, 50cm

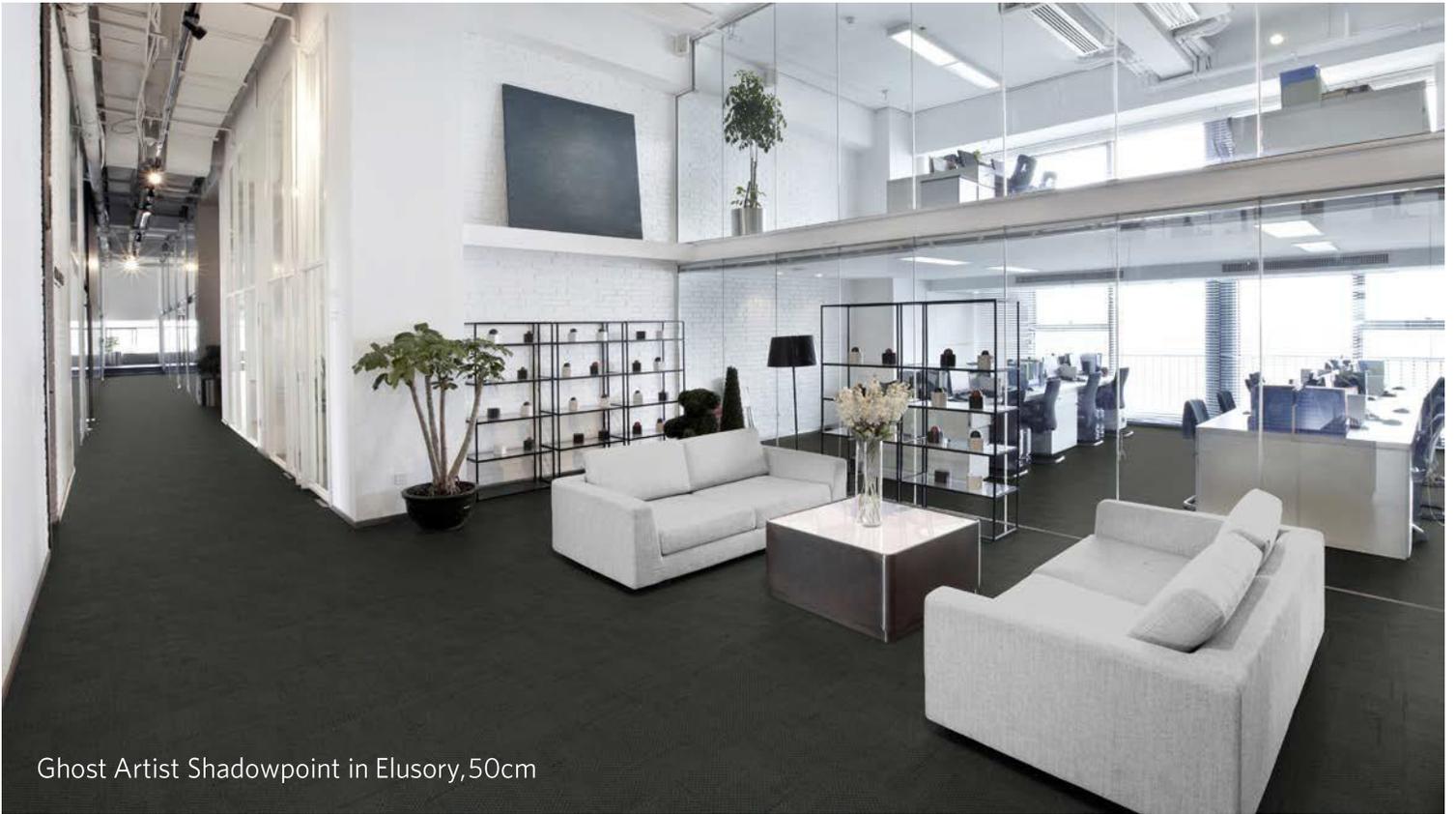


Formwork Broadloom in Render

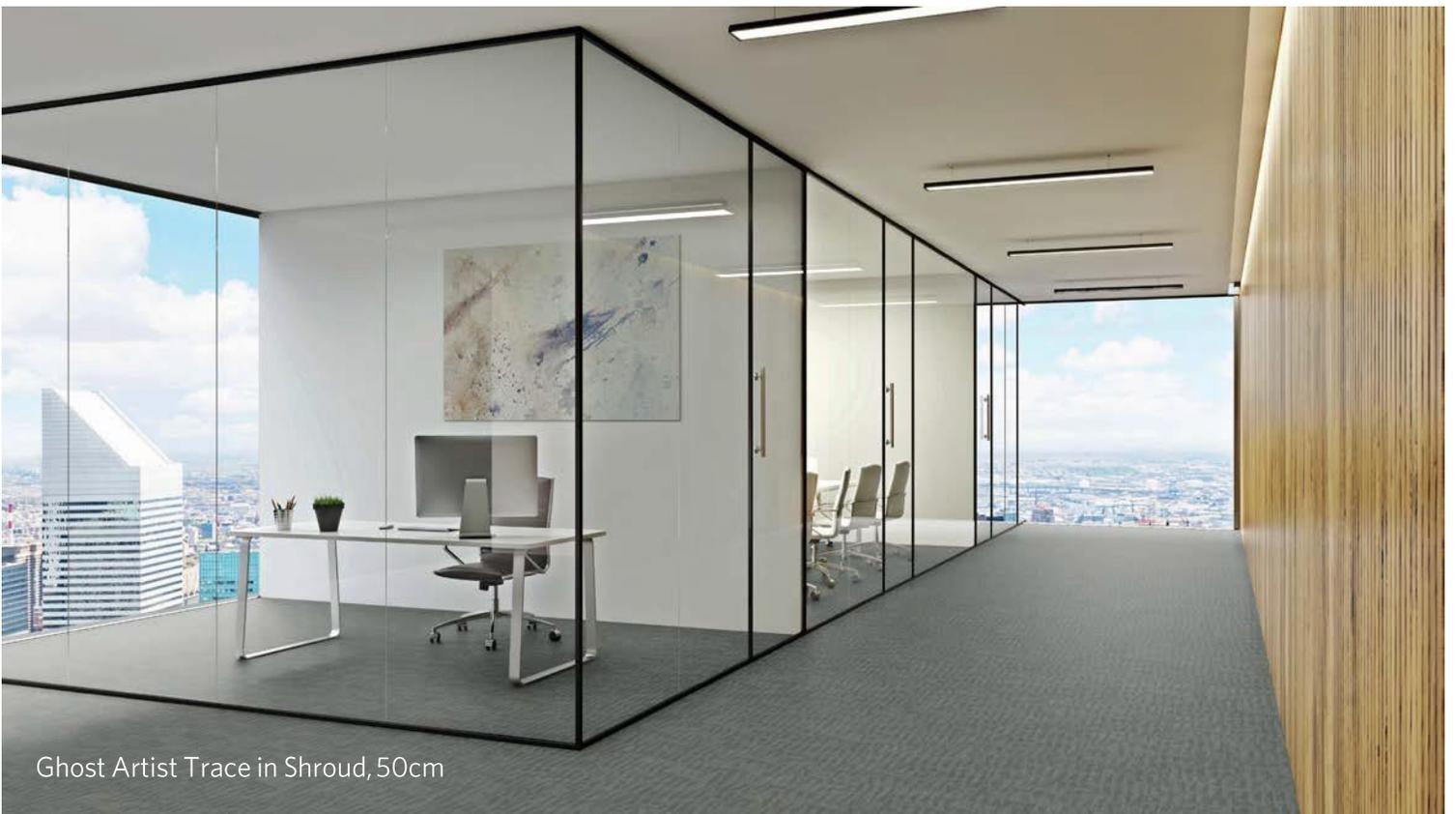
GHOST ARTIST



GHOST ARTIST



Ghost Artist Shadowpoint in Elusory, 50cm



Ghost Artist Trace in Shroud, 50cm

JOURNAL



Journal Freehand in Manuscript with Chamomile/Plum, 50cm



Journal Inscription in Record with Wine/Lemon, 50cm

JOURNAL



Journal Line By Line in Quick Draw with Quartz/Clementin, 50cm



Journal Line By Line-in Write On with Honey/Wine, 50cm

MAJOR FREQUENCY: ONE



Major Frequency. One Distortion in Tremor, 25cm x 1m



Major Frequency. One Vibration in Buzz, 25cm x 1m

MAJOR FREQUENCY: TWO

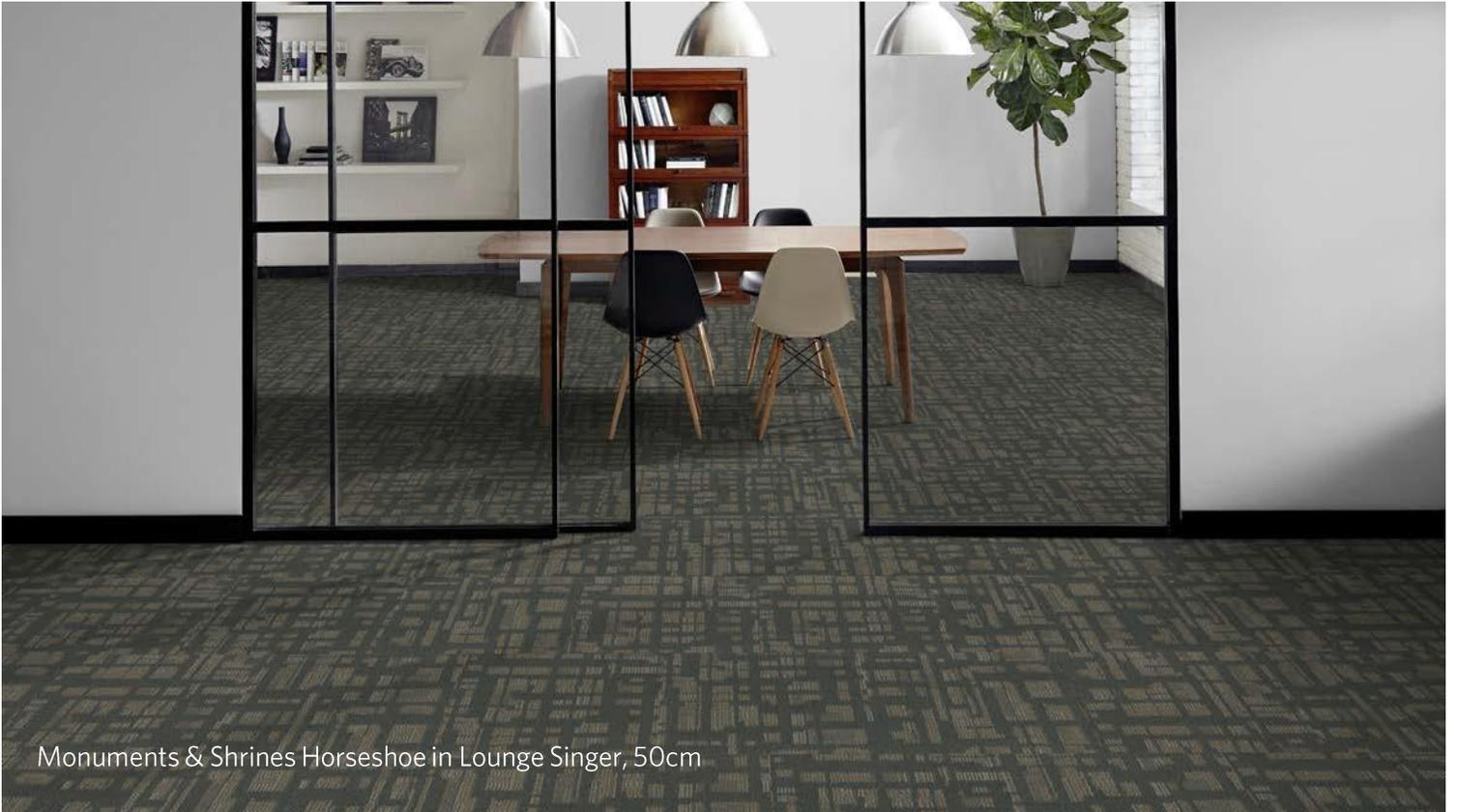


Major Frequency: Two Compose in Whole Note, 25cm x 1m



Major Frequency: Two Equalize in Intro, 50cm x 1m

MONUMENTS & SHRINES



Monuments & Shrines Horseshoe in Lounge Singer, 50cm



Monuments & Shrines Nugget in Headliner, 50cm

MONUMENTS & SHRINES



Monuments & Shrines Stardust in State Café, 50cm



Monuments & Shrines Stardust in Pocket Pair, 50cm

MOTIONSCAPE



Motionscape Movement, Rapid & Rush in Pace Three, 25cm x 1m

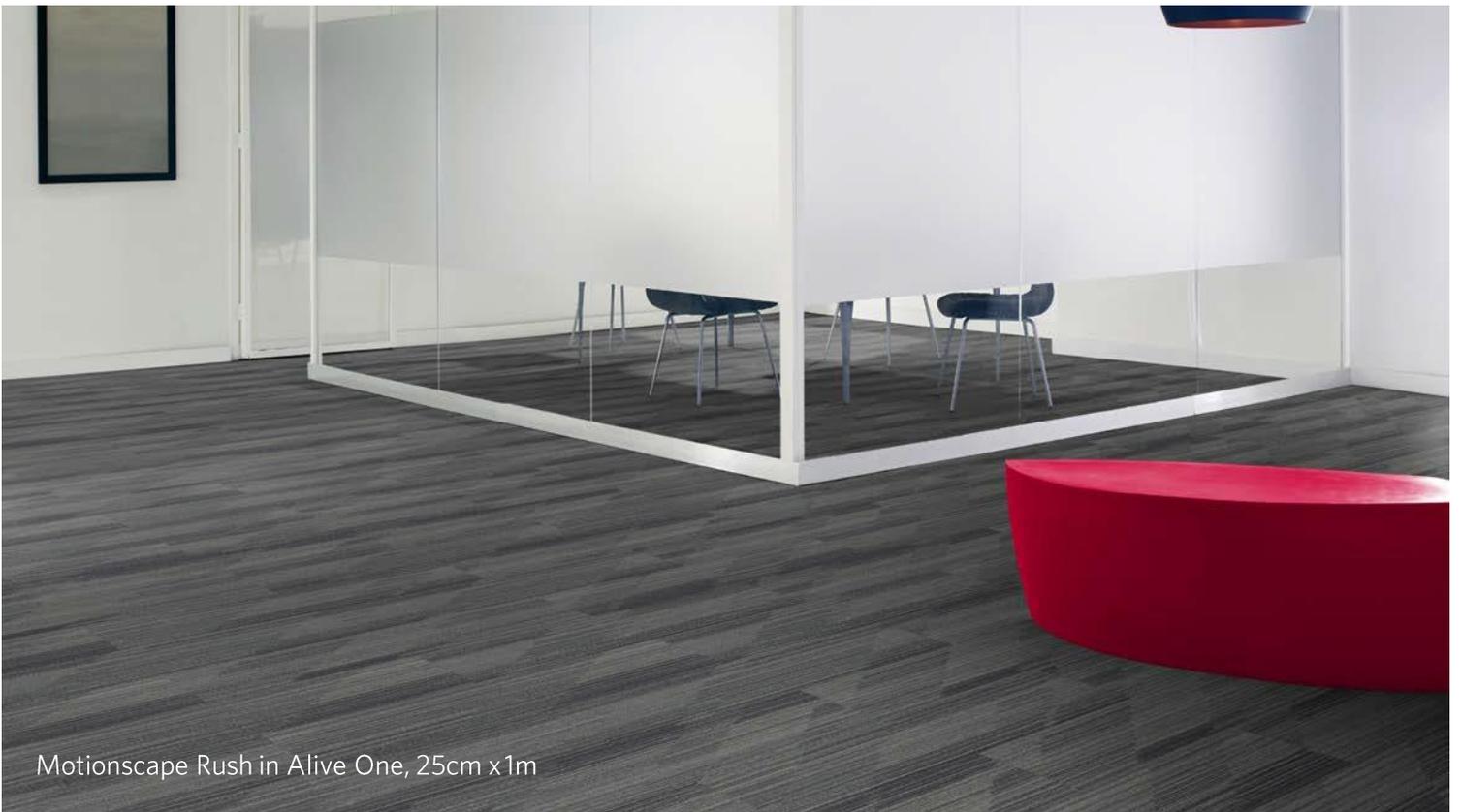


Motionscape Rapid in Swift Three, 25cm x 1m

MOTIONSCAPE



Motionscape Rush in Flash Two, 25cm x 1m

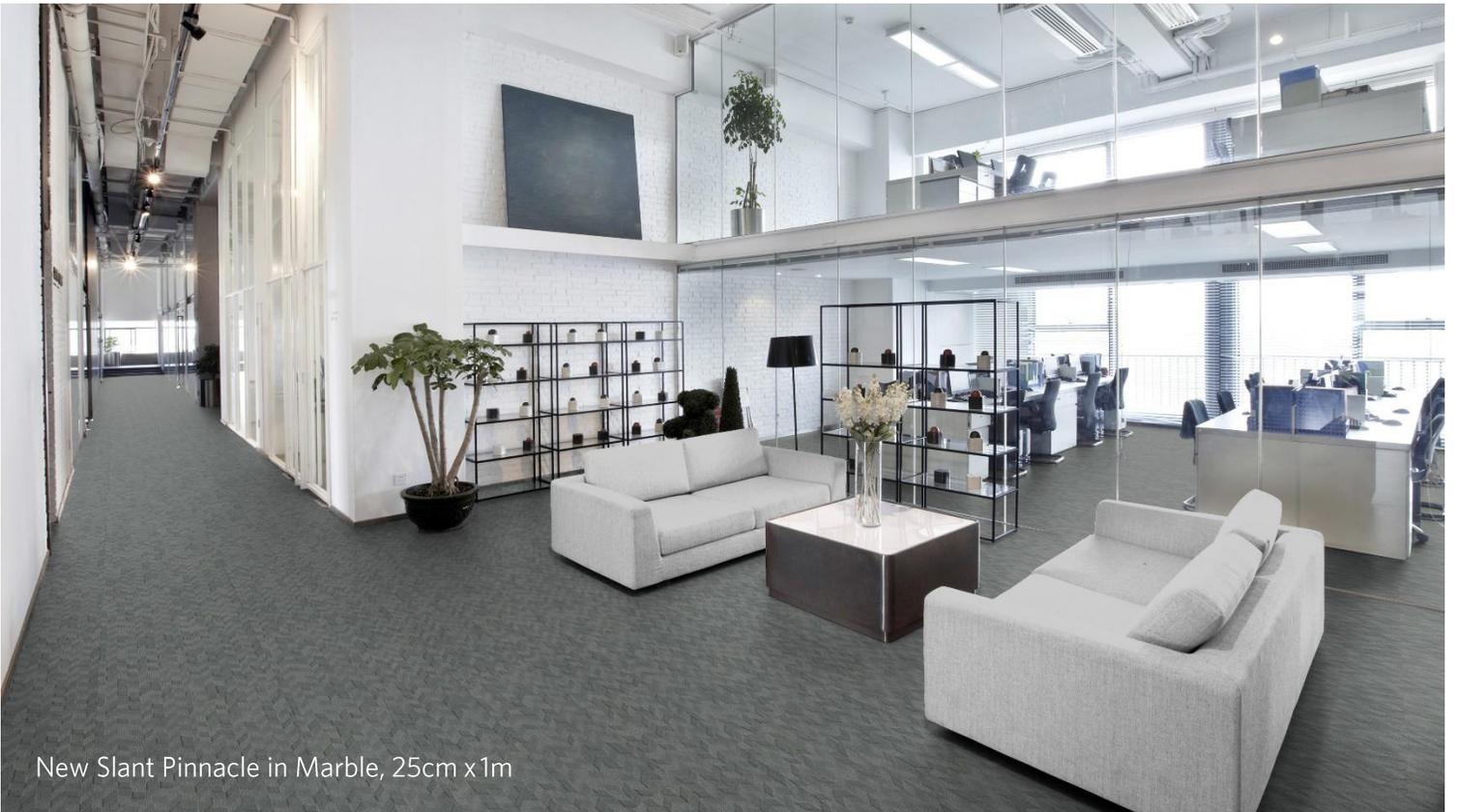


Motionscape Rush in Alive One, 25cm x 1m

NEW SLANT



New Slant Cevian in Steel, 25cm x 1m

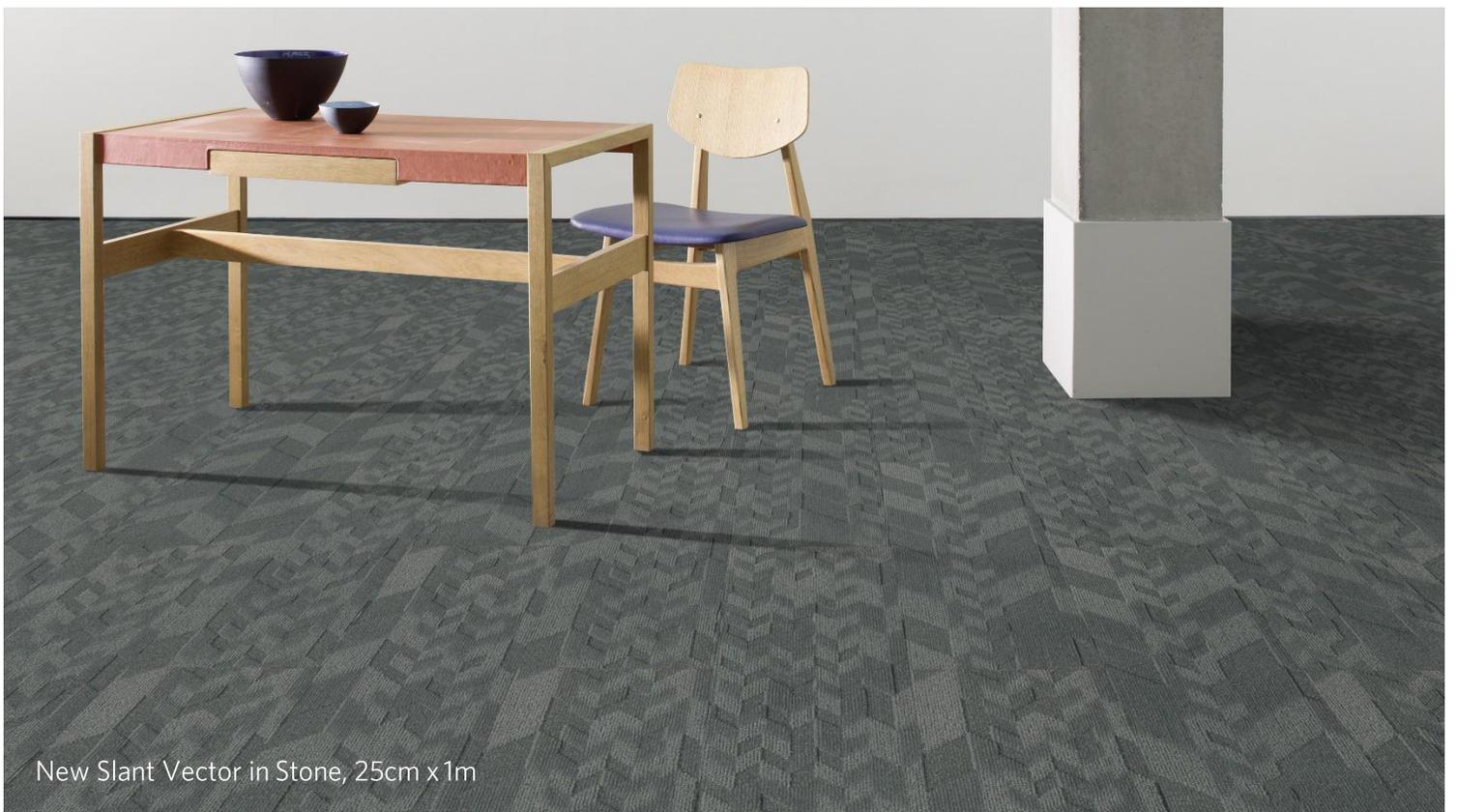


New Slant Pinnacle in Marble, 25cm x 1m

NEW SLANT



New Slant Trisect in Gunmetal, 25cm x 1m

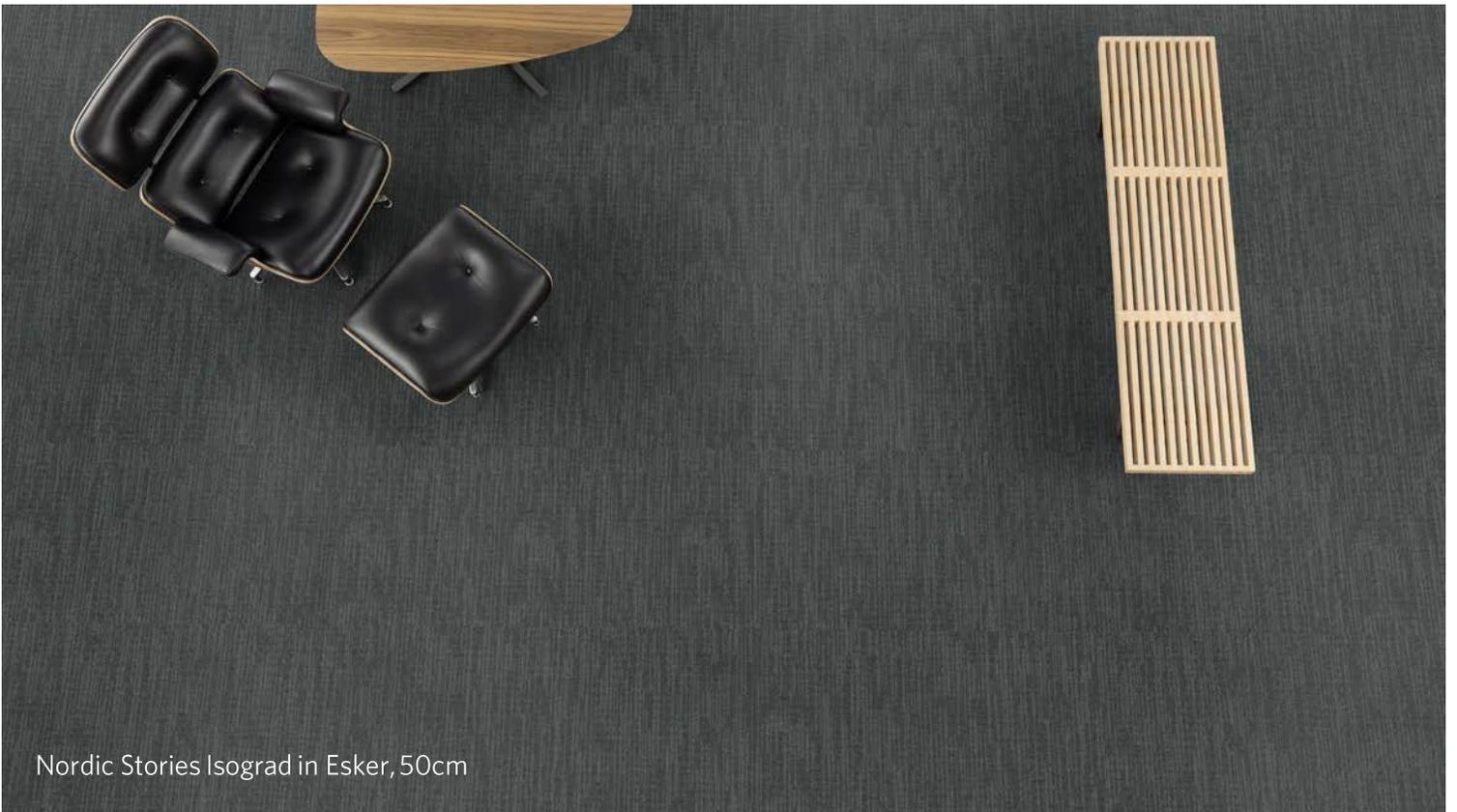


New Slant Vector in Stone, 25cm x 1m

NORDIC STORIES



Nordic Stories Hidden Plains in Flume, 50cm



Nordic Stories Isograd in Esker, 50cm

NORDIC STORIES



Nordic Stories Tectonic in Birch Sauna, 50cm



Nordic Stories Tectonic in Ash Blanket and Esker, 25cm x 1m

SOUND & FURY



Sound & Fury Gesture in Equalizer, 50cm

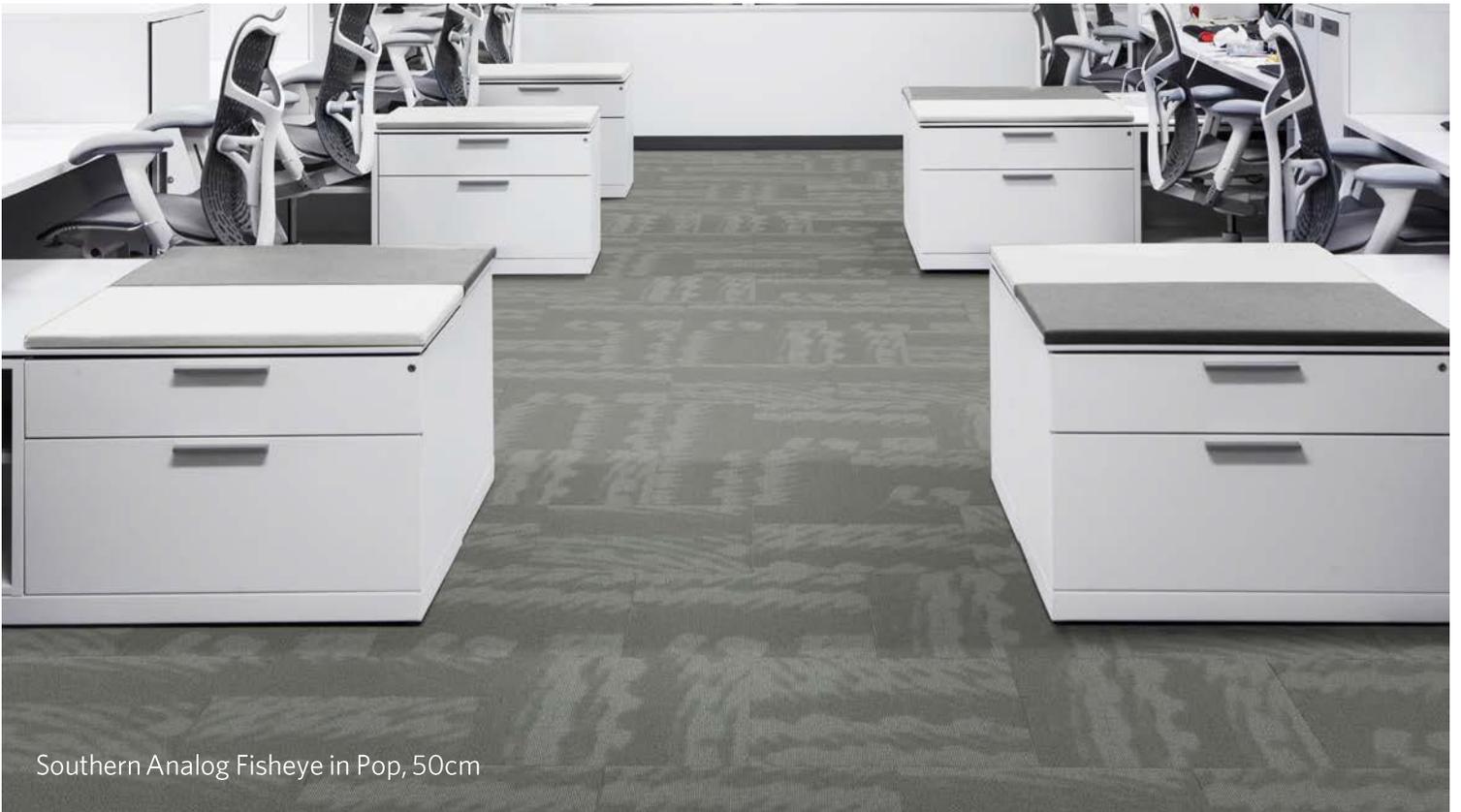


Sound & Fury Intensity in Stereo, 50cm x 1m

SOUTHERN ANALOG



Southern Analog Double Exposure in Tungsten, 50cm



Southern Analog Fisheye in Pop, 50cm

SOUTHERN ANALOG



Southern Analog Panoramic in Pulse, 50cm

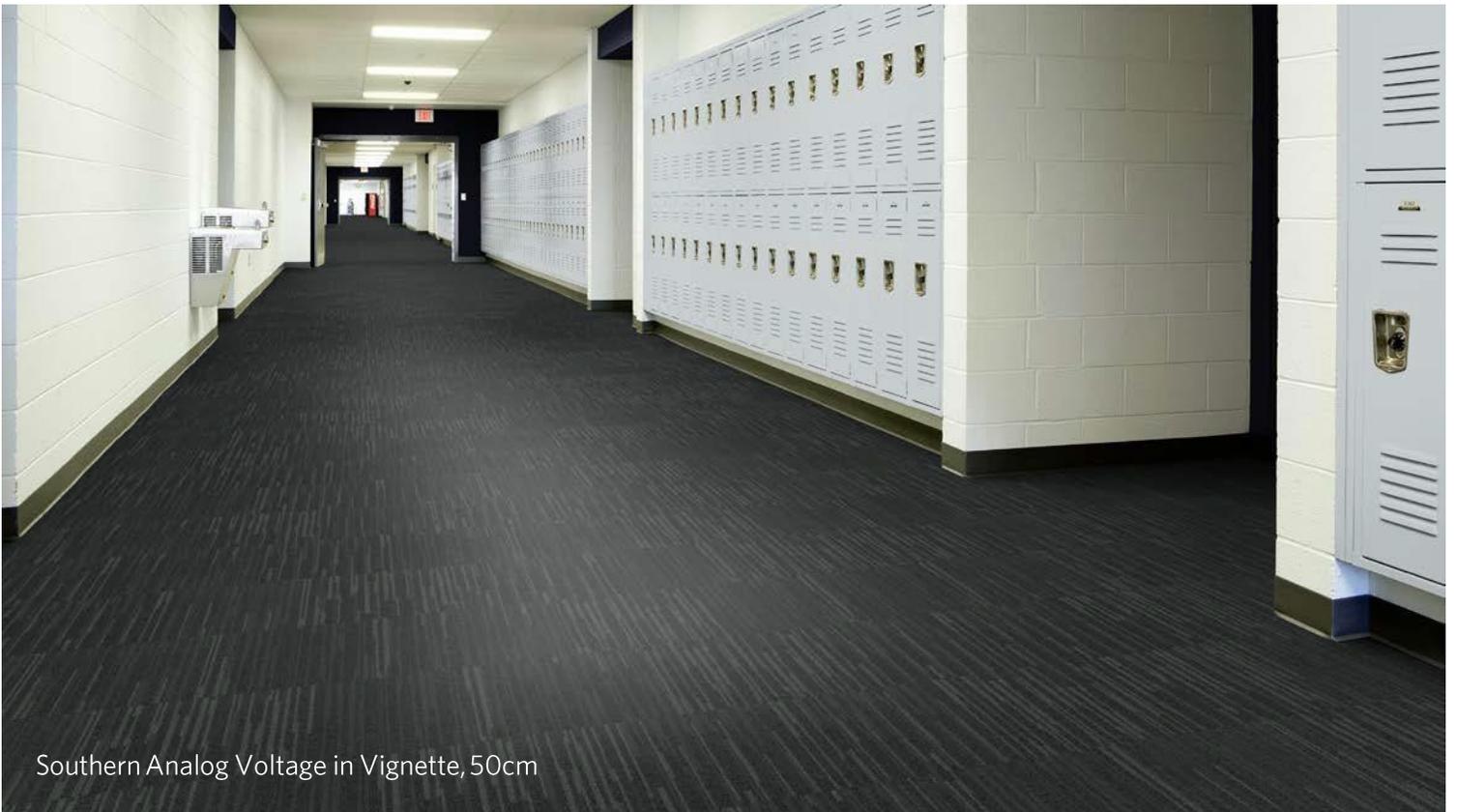


Southern Analog Pinhole in Diffuse, 50cm

SOUTHERN ANALOG



Southern Analog Viewfinder in Mixer, 50cm



Southern Analog Voltage in Vignette, 50cm

SURFACE STUDY



Surface Study Burned in Fresh, 50cm



Surface Study Distressed in Ripple, 50cm

SURFACE STUDY



Surface Study Washed in Lustre, 50cm



Surface Study Washed in Ripple, 50cm

TEXTURED SKY



Textured Sky Cloud Canopy in Blue Skies, 50cm



Textured Sky Horizon Line in Twilight, 50cm

TEXTURED SKY



Textured Sky Rainmaker in Snow Melt, 25cm x 1m

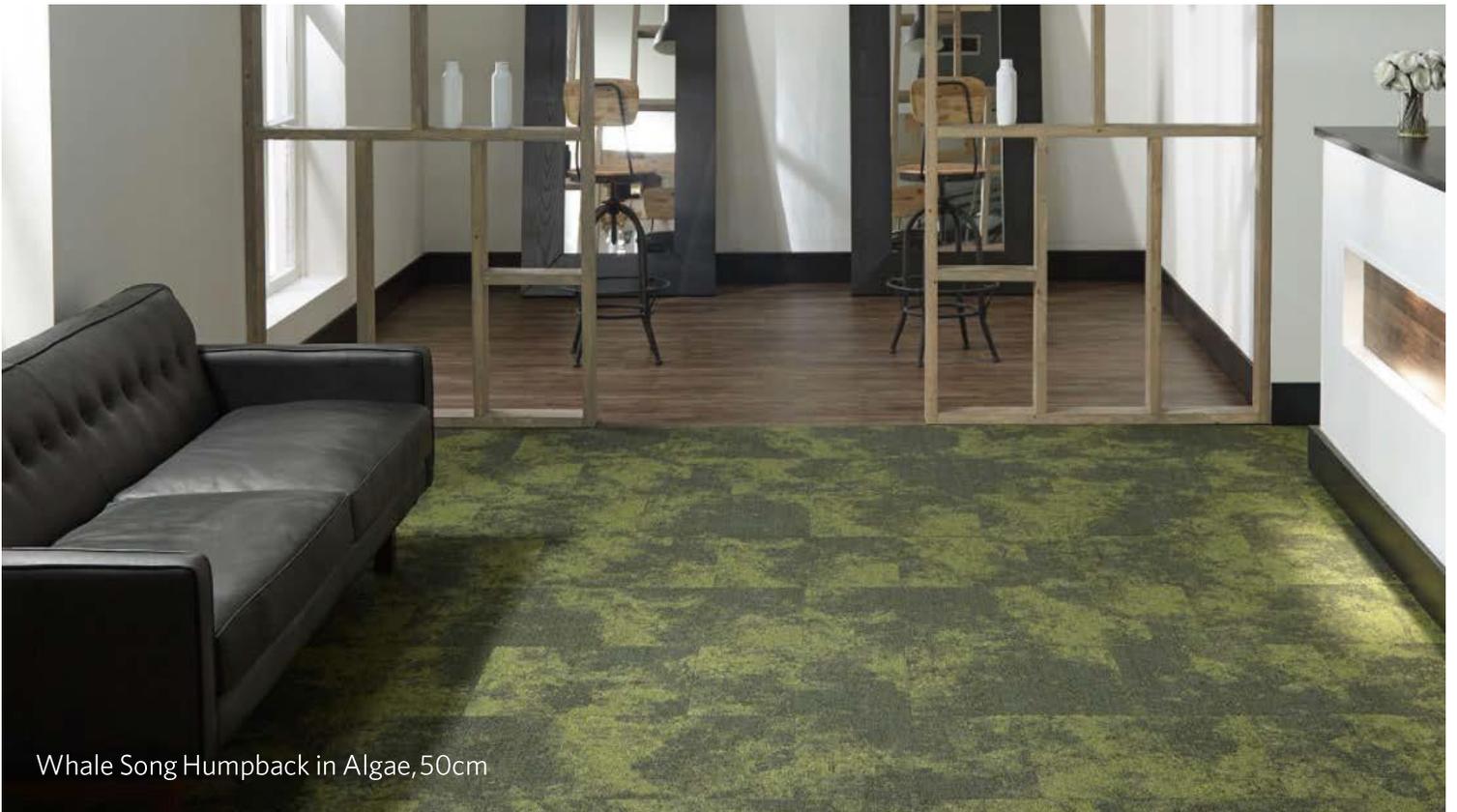


Textured Sky Rainmaker in Stratus, 25cm x 1m

WHALE SONG



Whale Song Beluga & Humpback in Marine, 50cm



Whale Song Humpback in Algae, 50cm

WHALE SONG





Luxury Vinyl Tile

ABSTRACT



*Design: Fibre
Tile Size: 18" x 36"
Colors: 3 options available
Installation: GlueDown*



*Design: Twist
Tile Size: 18" x 18"
Colors: 5 options available
Installation: GlueDown*

DISTRICT



*Design: Midtown Village
Tile Size: 18" x 18"
Colors: 12 options available
Installation: GlueDown*

STONE



*Design: Charlotte
Tile Size: 18" x 18"
Colors: 5 options available
Installation: GlueDown*



*Design: Serpeggiante
Tile Size: 12" x 24"
Colors: 4 options available
Installation: GlueDown*

STONE



*Design: Slate
Tile Size: 18" x 18"
Colors: 4 options available
Installation: GlueDown*



*Design: Stone
Tile Size: 18" x 36"
Colors: 3 options available
Installation: GlueDown*

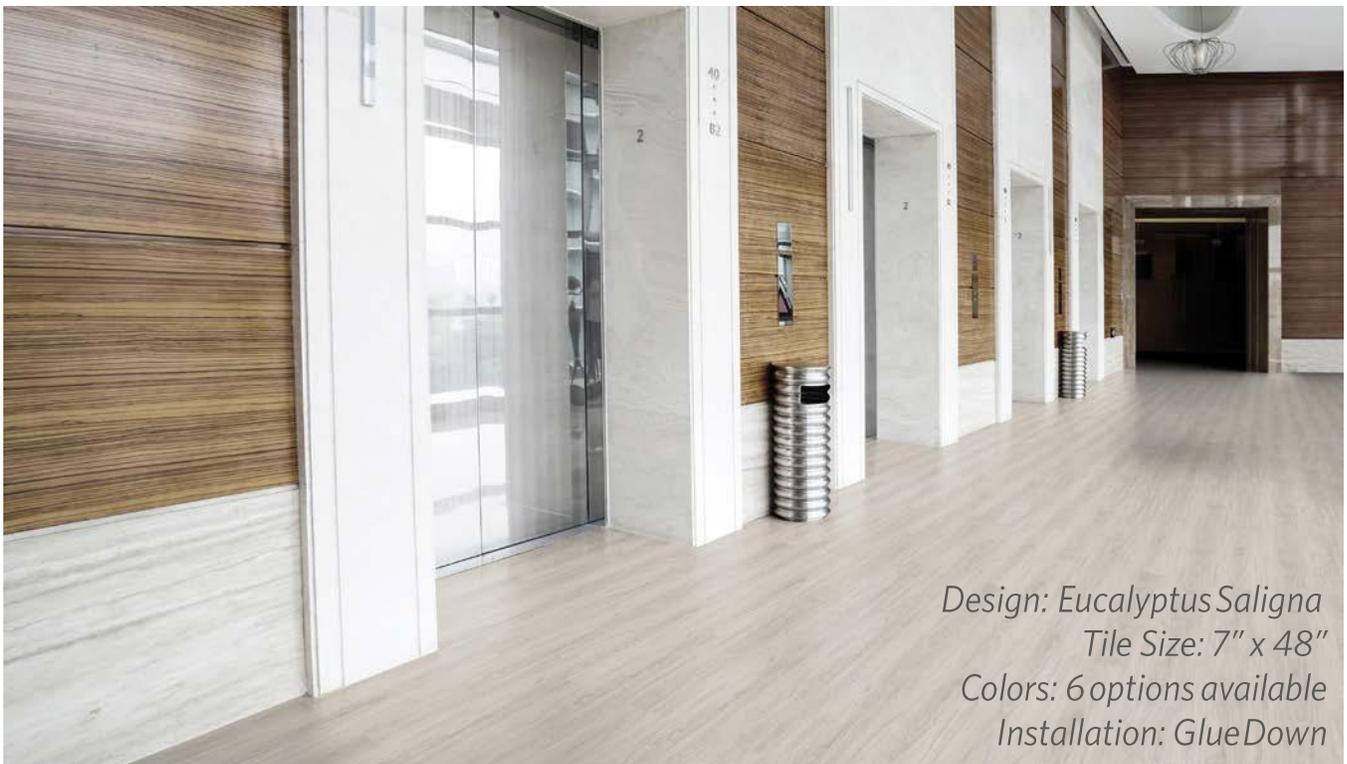
WOOD



WOOD



*Design: Cherry
Tile Size: 7" x 48"
Colors: 5 options available
Installation: Glue Down*



*Design: Eucalyptus Saligna
Tile Size: 7" x 48"
Colors: 6 options available
Installation: Glue Down*

WOOD



WOOD



WOOD



WOOD



*Design: Rosewood
Tile Size: 7" x 48"
Colors: 3 options available
Installation: GlueDown*



*Design: Rustic Pine
Tile Size: 7" x 48"
Colors: 4 options available
Installation: GlueDown*

WOOD

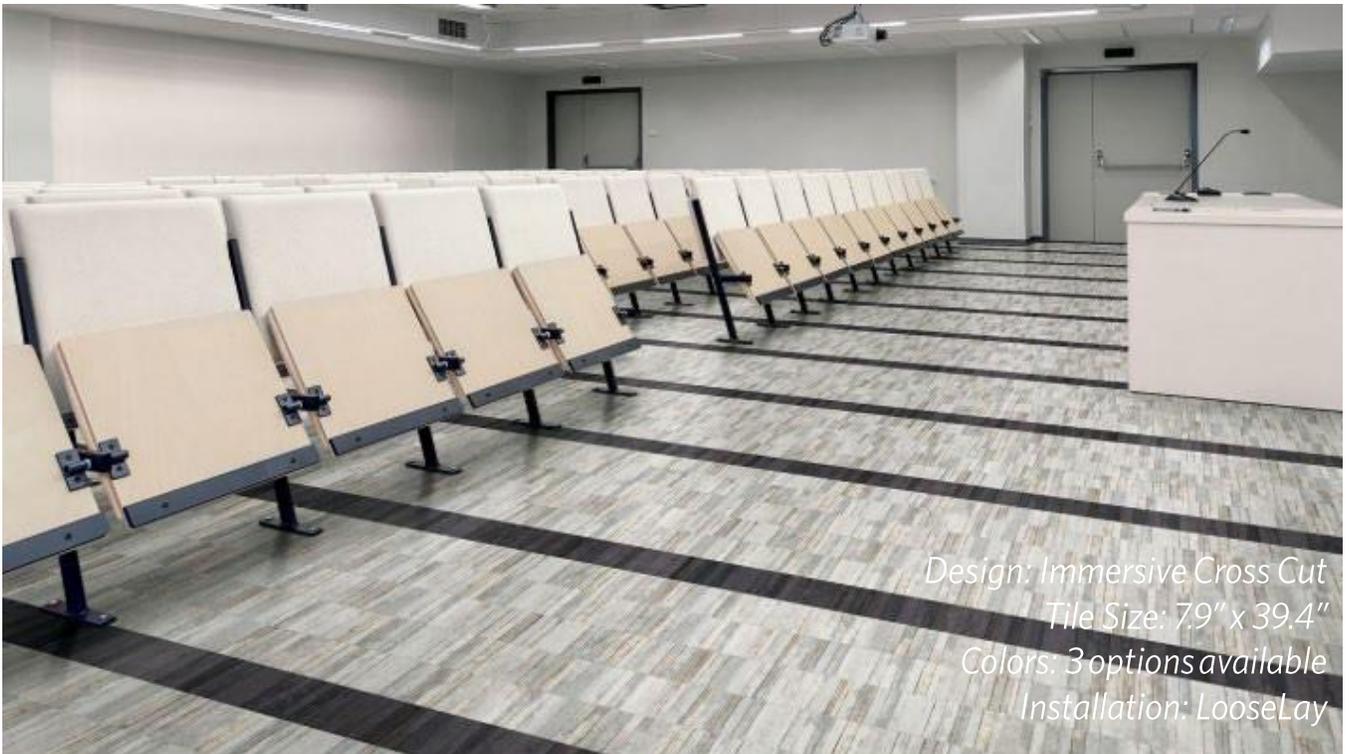


*Design: Teak
Tile Size: 7" x 48"
Colors: 4 options available
Installation: GlueDown*

LOOSE LAY ABSTRACT

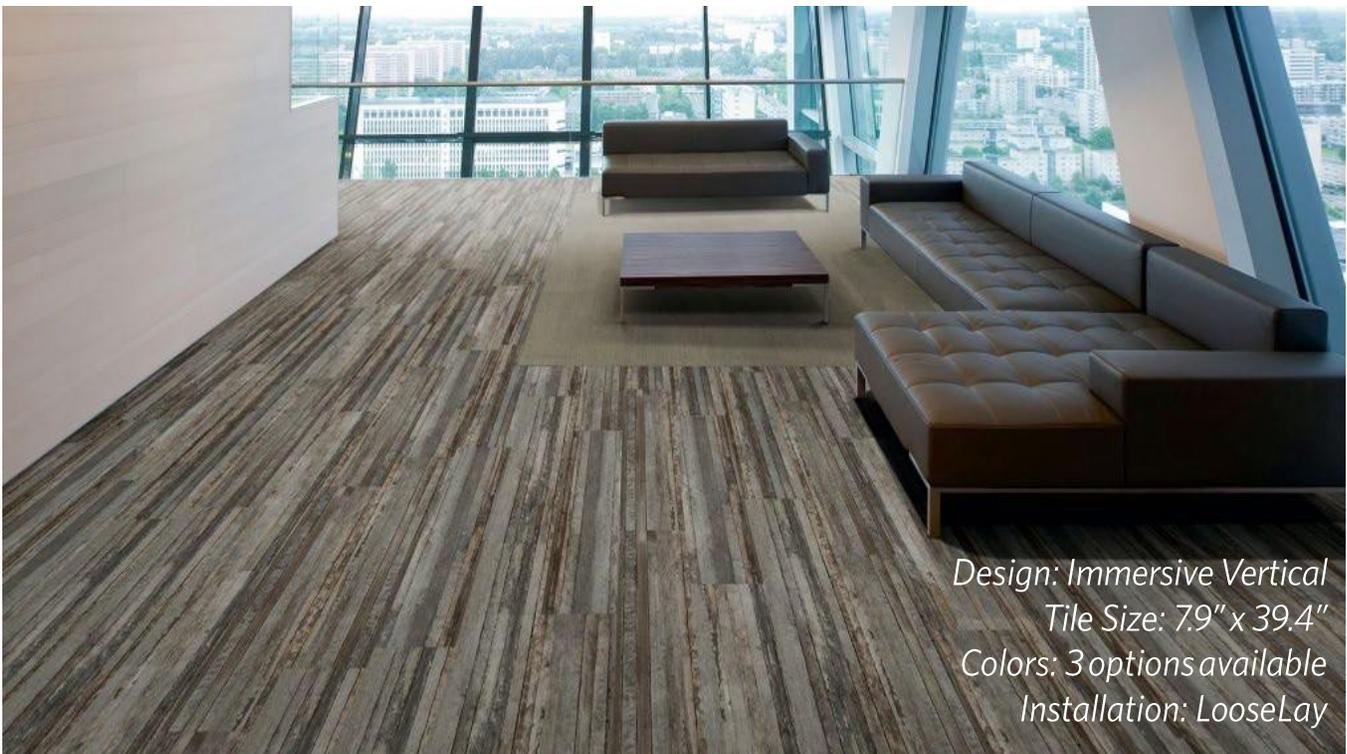


*Design: Eero
Tile Size: 9" x 60"
Colors: 4 options available
Installation: LooseLay*



*Design: Immersive Cross Cut
Tile Size: 7.9" x 39.4"
Colors: 3 options available
Installation: LooseLay*

LOOSE LAY ABSTRACT



LOOSE LAY ABSTRACT



LOOSE LAY ABSTRACT



LOOSE LAY ABSTRACT



*Design: Tangible
Tile Size: 18" x 36"
Colors: 2 options available
Installation: Loose Lay*

LOOSE LAY NATURAL



*Design: Fargesia Bamboo
Tile Size: 9" x 60"
Colors: 4 options available
Installation: LooseLay*



*Design: Gunnison
Tile Size: 9" x 60"
Colors: 1 option available
Installation: LooseLay*

LOOSE LAY NATURAL



*Design: Heritage Wood
Tile Size: 9" x 60"
Colors: 4 options available
Installation: LooseLay*



*Design: Pike
Tile Size: 9" x 60"
Colors: 4 options available
Installation: LooseLay*

LOOSE LAY NATURAL



*Design: Shenandoah
Tile Size: 9" x 60"
Colors: 4 options available
Installation: LooseLay*

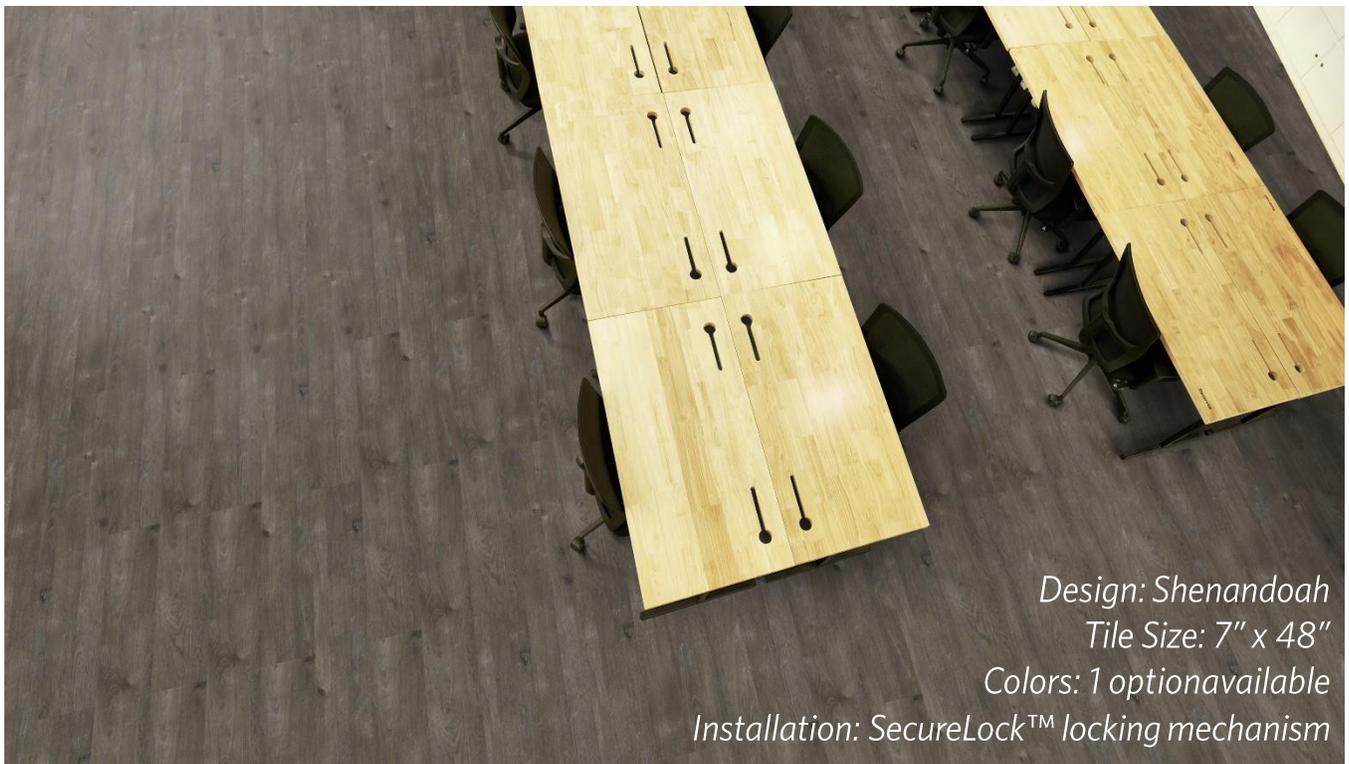
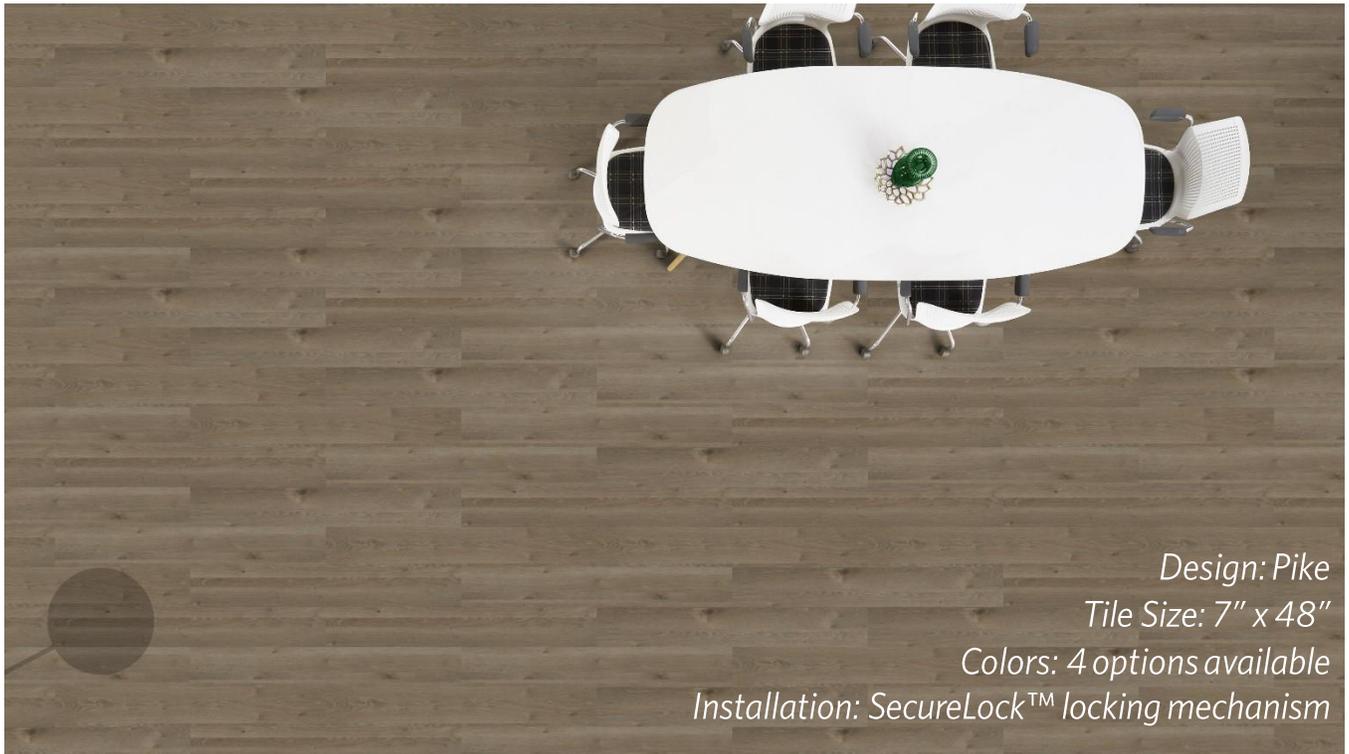
METRO PARK



METRO PARK



METRO PARK



METRO PARK



*Design: Tangible
Tile Size: 18" x 36"
Colors: 1 option available
Installation: SecureLock™ locking mechanism*

CHANGE AGENT



*Design: Conjure
Tile Size: 25cm x 1m
Colors: 7 options available
Installation: LooseLay*



*Design: Relic
Tile Size: 25cm x 1m
Colors: 12 options available
Installation: LooseLay*

CHANGE AGENT



*Design: Rootwork
Tile Size: 25cm x 1m
Colors: 9 options available
Installation: LooseLay*

TractionBack®

TractionBack®

What is TractionBack®?

TractionBack® is a remarkable bio-based, high-friction coating that keeps our PVC-free carpet tile securely in-place without additional adhesives, floor sealers, or primers. Applied during the manufacturing process, carpet tiles with TractionBack require no manipulation, additional taping, or gluing steps in the field. Ready to install out of the box makes installation, moving, or replacing Milliken carpet easier on you and the environment.

- No manipulation of tiles with extra dots, glues, peeling of film or taping
- Improve indoor air quality with a bio-based solution
- Worry less about moisture conditions
- Ready to install out-of-the-box
- Save installation costs, time, and materials

Benefits of TractionBack:

1. Reduces or eliminates the need to prime or seal the floor
2. Reduces or eliminates adhesive cost and saves on labor
3. Eliminates the tools and labor to add other attachment mechanisms to the carpet tile
4. Reduces or eliminates time spent spreading wet adhesives and waiting to dry
5. Eliminates unnecessary waste like peel and stick film covers
6. Reduces or eliminates VOC off-gassing typically associated with floor sealants and adhesives allowing faster carpet installation and space habitation
7. Stays in place even under high water vapor emissions
8. Allows high levels of moisture to be transported through the tile
9. Reduces or eliminates damage to raised access floors and high-quality sub-floors, leaving little to no residue
10. Tiles can be lifted and replaced multiple times without losing traction effect



Performance Features

Why Milliken Tile

MILLITRON & SOLUTION DYED NYLON

- Large scale, precise pattern match, expressive and flexible design on Millitron
- Flexibility of offering both dye methods depending on customers' needs

6'6 NYLON

- 6,6 Nylon fiber system used in vast majority of our modular carpet tiles.
- Premium, durable fiber that is resistant to liquid stains, dry soiling and crushing.

SIZE VARIETY

- Tiles vary in 1 meter, 50 cm or plank options for faster installations.
- Broadloom is available through a variety of Constantine brand patterns.

CUSHION BACKING

- Cushion backing comes standard on Milliken tile products and a variety of Constantine brand products.
- Doubles appearance life of your carpet vs. broadloom without cushion or hard backed tile applications.
- Superior comfort under foot and improved ergonomics through less muscle fatigue.
- Superior acoustics through increased noise reduction.
- 90% products rate for "Severe Performance" - Appearance Retention Rating - CRI TM101

TRACTIONBACK® | Available on Tiles

- Eliminates off gassing of volatile organic compounds (VOCs), so improving air quality.
- TractionBack® is warranted for installations with up to 8 lbs. of moisture/1000 sq. ft. per 24 hour period.
- No peel and stick method

LIFETIME WARRANTIES

- Face Fiber Wear
- Staining/Soil Resistance (StainSmart®)
- Color Pattern Permanency
- Delamination of Backing
- Edge Ravel
- Tuft Bind
- Floor Compatibility
- Antistatic
- Antimicrobial Protection (AlphaSan®)
- Flammability
- Cushion Resiliency
- Dimensional Stability
- Floor Release
- Moisture Resistance
- Site Related Solutions

ENVIRONMENTAL

- ALL Milliken modular carpet tile achieves the maximum LEED points for carpet.
- PVC-Free
- Red List Free & Third-Party Verified

WellBAC™ Cushion

Any discussion about why Milliken modular carpet out-performs so many other products on the market has to start with one subject: WellBAC™ Cushion backing.

Let's Start With Durability

Cushion-backed carpet lasts longer. A common misconception about carpet is that fiber type is the most significant factor affecting durability. It isn't — backing is.

CUSHION TAKES THE IMPACT

With cushion — unlike hardback — most of the force of impact from foot traffic is transferred through the fiber to the backing. So the backing takes most of the shock. That's why, on average, Milliken WellBAC™ cushion-backed carpet will last 40% to 50% longer than virtually any hardback product.

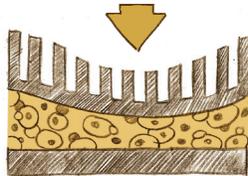
APPEARANCE RETENTION

The shock absorption qualities of cushion also provide big appearance retention benefits. Milliken WellBAC™ cushion-backed carpet just lasts longer than hardback products will. Most of our modular carpet products receive a TARR durability rating of "severe" — the top of the scale.

MILLIKEN CUSHION



Initial Installation

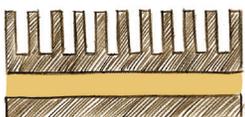


During Compression —
Cushion absorbs impact limiting fiber from wear.

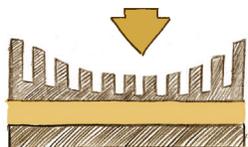


Over Time —
Air returns to the open cells, so they remain effective over the life of the carpet.

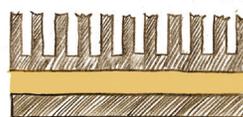
HARDBACK



Initial Installation



During Compression —
Without cushion, fiber absorbs 100% of the impact.



Over Time —
Fiber degrades more rapidly due to lack of shock absorption.



HEALTH & WELLNESS

Milliken carpet can lead to increased productivity. It's more comfortable — and can actually reduce muscle strain.

An independent study by the University of Pittsburgh* revealed that the type of cushion backing used by Milliken decreases muscle strain by 24% compared to hardback carpet, which might mean less fatigue at the end of the day. Better overall mood and higher productivity may be one of the results.

There are also acoustic advantages: Quieter spaces lead to better health.

A Cornell University study showed that workers in an open-office environment had heightened levels of stress hormones — they were likely to become less motivated and creative. Milliken WellBAC™ cushion-backed carpet creates noticeably quieter spaces than hardback. Productivity benefits from noise reduction are quantifiable — plus, quieter spaces are just flat-out more pleasant to be in.

Optimizing Ergonomics

Ergonomics is more than your desk and chair. Combining ergonomics with any academic setting allows educators to be more flexible in how they design coursework and better meet the educational needs of their students.



HEALTH & WELLNESS

The enthusiasm for ergonomics is largely driven by concerns about health.

Studies have continually shown the advantages of getting students out of their chairs. The key is to incorporate comfort and flexibility in the design, while flexible learning environments require periods of standing and moving.

If students and educators are standing more, you'll want to pay closer attention to your floor coverings.

Carpet at home has nice cushion underneath, so it's more comfortable to stand on — shouldn't we provide the same comforts in our schools? The clear answer is yes. As we've noted, carpet with cushion backing of the type used by Milliken is not only more comfortable, but has been shown to reduce muscle fatigue by up to 24%. Hardback carpet tiles simply don't provide the necessary levels of under-foot support and comfort needed for teaching.



Elements in Balance

Creating a great classroom isn't just about buying a bunch of cool new desks and chairs. The secret is getting the right mix of layout, furniture, comfort, and acoustics.

Your classroom layout may need to change.

Grouping height-adjustable desks together, rather than scattering them about, can help improve adoption of sit-to-stand. Because a change in posture by one student or educator acts as a visual reminder that others can do the same. How do you want people to move and behave in the new space? Having a clear answer will help to make your transition successful.

Pay close attention to furniture—but not just the usual stuff. Desks should adjust easily and move fairly quickly from sit to stand. Check to see how noisy a desk is when you move it. The simpler a desk is to operate, and the less disruptive it is

to everyday routine, the smoother the transition tends to be.

With people on their feet for longer, comfort on the floor is a big deal. We note some specifics in the column to the left. We also suggest being careful about using standing mats as a solution: As a one-off, moving mats to put a chair back isn't so bad. But if you have to do it a dozen times a day? The result isn't typically mood enhancing.

Acoustics also tend to play a bigger role in classrooms. To keep it simple: Carpet is better for acoustics than hard floor, and cushion-backed carpet is best of all. It absorbs 50% more sound compared to hardback carpet, which in turn absorbs 3x more noise than hard flooring.

LVT Performance Features

Durability

Corridors, offices, public spaces and administrative areas need to cope with the rigors of foot and rolled traffic passing across them everyday. Milliken Luxury Vinyl Tile is engineered using virgin PVC that is compressed under high pressure with tear-resistant print film design, a high quality 28 mil (0.70 mm) wear layer and finished with our Adamas™ UV-cured silica bead reinforced polyurethane coating. This combination provides unsurpassed durability, indentation recovery and long term appearance retention.

Hygiene

Inherently anti-microbial, Milliken Luxury Vinyl Tile can be quickly and effectively cleaned, offering no sanctuary for dirt and bacteria.

Low Maintenance

Milliken Luxury Vinyl Tiles benefit from our Adamas™ UV-cured, silica bead reinforced polyurethane coating which provides excellent protection for the floor and significantly reduces maintenance costs by eliminating the need for waxes or polishes and harsh chemicals, helping contribute to improved Indoor Air Quality (IAQ). Our 28 mil (0.70 mm) wear layer provides optimum protection for the print film beneath it while not compromising the eye perfect design detail.

Point Loading

Floors are constantly under attack from rolling loads, equipment, chairs etc. thanks to it's high vinyl content Milliken Luxury Vinyl Tile provides superior point loading.

Aesthetics

Stunning Wood, Stone, and Abstract as well as our Freelay Collection visuals make Milliken Luxury Vinyl Tile ideal for reception areas, cafeterias, gathering areas, and administrative offices.

Acoustics

The reduction of impact noise from the floor can also be an important consideration. Milliken Luxury Vinyl Tile can provide excellent noise reduction compared to natural equivalents.

Chemical Resistance

Milliken Luxury Vinyl Tiles have excellent resistance to dilute acids and alkalis, and are suitable for use in areas where chemicals are used and there is a risk of accidental spillage.

Safety

It is essential that the floor is both practical and safe underfoot. Milliken Luxury Vinyl Tiles exceed Static Coefficient requirement for slip resistance.

Warranty

12-Year Commercial Warranty.

Environmental

Milliken Luxury Vinyl Tile provides an industry-leading sustainable solution for hard surface flooring. As a FloorScore® certified product, Milliken LVT meets strict indoor air quality and volatile organic compound (VOC) emission criteria for LEED, CHPS, the Green Guide for Health Care, and other green building certifications. The environmental footprint of the product is third party verified through a product specific EPD (Environmental Product Declaration). Milliken LVT is 100% Phthalate Free. Milliken LVT is manufactured at facilities that are ISO 9001, ISO 14001, and 18001 compliant. All production waste is granulated and recycled into backing production to create an internal closed loop recycling process.

Warranty

Milliken Warranties

We really do mean what we say. And we back it up.

One of the biggest issues that affects modular carpet installations is:

MOISTURE VAPOR

Why? Because moisture in and around on-grade slabs can lead to very costly failures and repairs.

The use of lightweight concrete, and the constant desire to install flooring as quickly as possible (both on- and above-grade) means moisture may very well be a serious issue.

All Milliken cushion-backed modular carpet products boast a lifetime warranty against adhesive breakdown due to moisture vapor emissions. Go ahead and ask other manufacturers if they offer a similar warranty. The chances are slim and none.

Extensive and Comprehensive

Fourteen separate warranties apply to our modular products. Let's talk about some important areas where Milliken stands apart from most carpet manufacturers.

COLOR PATTERN PERMANENCY

Milliken is the only manufacturer who actually warrants that our carpet will exhibit no pattern loss during its entire lifetime. Digital Dye Infusion (DDI) is a chemical bonding process that bonds color directly to fiber at the molecular level. It is exceptionally colorfast and durable. We stand behind all of our modular carpet (DDI, SDN, and Continuous Dyed) with a lifetime warranty for Color Pattern Permanency.

CUSHION RESILIENCY

Milliken backing uses open-cell cushion. There are an array of benefits you'll receive simply by choosing cushion backing over hardback. But what's more, manufacturers who offer cushion generally use closed-cell — and it tends to wear out over time. Milliken warrants that our cushion-backed modular carpet will retain 90% of its cushion resiliency during the lifetime of the carpet.

FLOOR COMPATIBILITY

Milliken cushion backing is chemically non-reactive. Many manufacturers require the removal of old adhesives. The reason is plasticizer migration. Which means, in simple terms, that a chemical reaction can occur between the backing and the old adhesives on the floor. If that happens,

your new carpet tile could start to slide around, as the adhesives dissolve into an oozing mess and stop holding them in place. Milliken guarantees no such reaction will ever occur — and we back it up with a lifetime warranty.

STAINING & SOILING RESISTANCE

Most manufacturers warrant Face Fiber Wear, typically defined as follows: Your carpet will lose no more than 10% of its face fiber by weight during its lifetime. Milliken warrants Face Fiber Wear. But we also warrant that carpet treated with StainSmart will resist staining and soiling during the lifetime of the carpet. That's definitely not something you're likely to see from other manufacturers.

FLOOR RELEASE

Milliken warrants that after initial installation, our modular carpet will release from the floor during its lifetime. If this doesn't seem like a big deal, imagine the following scenario: Your carpet hits its end of life and you have to bring in expensive equipment (and take who-knows-how-much time) to literally scrape the carpet tile off the floor. It's little things like this that make our product easier to work with — and make your life easier.

Warranties: Modular Carpet

Milliken's standard modular product warranty list.

Commercial Modular Warranties

Warranties are applicable to all Milliken commercial modular products (with the exception of a few specialty items — complete warranty language is available on request).

FACE FIBER WEAR — Milliken warrants that the carpet will lose no more than ten percent (10%) of its face fiber by weight during the Lifetime of the carpet. If the carpet is installed on stairs, this warranty will be limited to five years. A claim against this warranty requires the submittal of a sample (one square yard minimum) of unused attic stock and a like-size piece of carpet from the area that is believed to be worn beyond the terms of this warranty. These samples will be submitted to an independent testing lab for verification.

STAINING/SOILING RESISTANCE (StainSmart®) — Milliken warrants that carpet which is treated with StainSmart will resist staining and soiling during the Lifetime of the carpet.

COLOR PATTERN PERMANENCY — Milliken warrants that the carpet will exhibit no pattern loss during the Lifetime of the carpet. If the carpet is installed on stairs this warranty will be limited to five years.

DELAMINATION OF BACKING — Milliken warrants that the backing of the carpet will not delaminate during the Lifetime of the carpet.

EDGE RAVEL — Milliken warrants that the carpet will exhibit no edge ravel or "zippering" during the Lifetime of the carpet.

TUFT BIND — Milliken warrants that the carpet will maintain its tuft bind integrity during the Lifetime of the carpet.

FLOOR COMPATIBILITY — Milliken warrants that the carpet will not cause a reactivation of old adhesives due to plasticizer migration during the Lifetime of the carpet.

ANTISTATIC — Milliken warrants that the carpet will not generate static shock greater than 3.5 kilovolts during the Lifetime of the carpet.

ANTIMICROBIAL PROTECTION (AlphaSan®) — Milliken warrants that the AlphaSan antimicrobial agent will remain active during the Lifetime of the carpet. AlphaSan inhibits microbial activity that can contribute to deterioration in the carpet backing.

FLAMMABILITY — Milliken warrants that at the time of shipment the carpet will comply with the applicable provisions of the Federal Flammable Fabrics Act for carpet used as floor covering in commercial installations. Milliken does not represent that this or any other carpet fabric will not burn or generate smoke under actual fire conditions.

CUSHION RESILIENCY — Milliken warrants that the modular carpet with attached cushion will retain 90% of its cushion resilience during the Lifetime of the modular carpet.

DIMENSIONAL STABILITY — Milliken warrants that the modular carpet will maintain its dimensional stability during the Lifetime of the modular carpet.

FLOOR RELEASE — Milliken warrants that the initial installation of the modular carpet will release from the floor during the Lifetime of the modular carpet.

MOISTURE RESISTANCE — Milliken warrants that the modular carpet will resist moisture penetration during the Lifetime of the modular carpet. This warranty does not include moisture penetration at the seams of modular carpet.

Warranties: LVT

Milliken's standard LVT product warranty list.

Commercial Luxury Vinyl Tile Product Warranties

GENERAL TERMS — Milliken Luxury Vinyl Tile (LVT) products when installed in a commercial area, regardless of commercial use designation, must be professionally installed by a certified flooring contractor to validate this warranty. No exclusions or exceptions will be made to this clause.

Milliken warranties cover the cost of material for the period of the warranty and reasonable labor costs only when and if a professional flooring installer was paid to install the original material.

MANUFACTURING DEFECT WARRANTY — Milliken warrants that the Milliken Collection of Luxury Vinyl Tiles will be free from manufacturing defects for a period of 1 (one) year from the date of purchase. If such defect occurs, upon verification of the defect by Milliken, Milliken will authorize repair or replacement of the affected area of installed flooring.

WEAR WARRANTY — Milliken warrants that the installed product will not wear through to the printed film layer for a period of time as defined in Table A herein. Wear through is defined herein that the wear layer is sufficiently depleted so that the printed film layer is damaged or affected.

The standard general terms, exclusions and limitations expressed elsewhere in this warranty document also apply.

This warranty does not include the following:

- Installed with obvious manufacturing defects.
- Products that have not been properly acclimated according to the Milliken Installation Guidelines.
- Improper installation or product not professionally installed according to currently published Milliken installation guidelines and accepted industry practices.
- Use of adhesives not supplied under the Milliken brand and / or improper trowel used during installation. Workmanship errors should be addressed to the contractor who installed the floor.
- Flooring installed in areas not intended for solid vinyl plank or tile.
- Improper maintenance; dulled by soaps, detergents, harsh chemicals, dressings, one-step cleaners or wax.
- Damaged by narrow tipped heels, burns, cigarette burns, cuts, scratches, gouges and indentations including damage from improper floor protectors and furniture rests.
- Stains, fading, discoloration or moisture problems due to use of rubber or rubber-backed mats.
- Staining caused by dyes tracked from carpet, fertilizers, coal, tar, driveway sealers, oil drippings or other similar materials; faded or discolored by sunlight or heat generation.
- Problems or damage due to moisture and/ or alkalinity in sub floor; discoloration or bond release from hydrostatic pressure or excessive moisture caused by flooding, plumbing and appliance leaks and water leakage.
- Installed over unstable (installed over particleboard, chip wood or pressboard) or improperly prepared sub-floors, wet/ cold floor and/or radiant-heated floor in excess of 85°F.
- Different from samples or printed material in shade, color or embossing.

OTHER LIMITATIONS

1. This warranty is not transferable.
2. Visual defects must be reported within 3 months from the date of purchase.
3. This warranty covers only properly installed and maintained floors.
4. Milliken excludes and will not pay for any consequential or incidental damages under this limited warranty.
5. Milliken will not pay for the loss of time, inconvenience or other incidental expenses.
6. Milliken reserves the right to inspect any flooring and installation deemed to be suspect to manufacturing defects.
7. Milliken reserves the right of final judgment and may refuse claims in certain instances.
8. Milliken reserves the right to modify or withdraw the warranty at any time.
9. No representative, employee, or agent of Milliken is authorized to modify or change the warranty statements made in this document.

CLAIM FILING — Claim documentation must be filled out in its entirety in order to be assigned a claim number and reviewed for validity. Should the claim require an inspection, you will be contacted by the independent inspector assigned to your claim for scheduling.

California Universities Pricing



CALIFORNIA UNIVERSITIES SYSTEMWIDE FLOOR COVERING CONTRACT PRICING

National Account: California Universities
 MQ # 1021000751
 Effective Date: 4/15/20
 Expiry Date: 4/14/21
 Contract Information Contact: Tamlin Antoine

Collection	Product Name	Product Size	Backing	TARR Rating	University Price
Arcadia	Grassland, Shoreline, Terrain, Undercurrent	1m, 25cmx1m	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 24.75
Archipelago	Cassia, Frond, Mangrove, Seagrape	50cm	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 28.74
Arctic Survey	Expedition, Isotherm, Shackleton	25cm x 1m	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 38.41
City Proper	Design Quarter, EC1, Underground	50cm	PVC-Free WellBAC™ Comfort Plus Cushion	Heavy	\$ 33.24
Common Thread	Point 3, Point 5, Point 8	50cm	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 23.27
Continental	Crystalline, Pillow Ridge, Prism, Rift, Talus	25cm x 1m	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 32.42
Formwork	Formwork	50cm, 25cm x 1m	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 26.63
Ghost Artist Collection	Façade, Semblance, Shadowpoint, Trace	50 cm	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 35.54
Journal	Freehand, Inscription, Line by Line	50CM	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 25.97
Major Frequency: One	Distortion, Vibration	25cm x 1m	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 28.55
Major Frequency: Two	Compose, Equalize	25cm x 1m, 50cm x 1m	PVC-Free WellBAC™ Comfort Plus Cushion	Severe	\$ 22.74
Monuments & Shrines	Horseshoe, Nugget, Stardust	50 cm	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 33.78
Motionscape	Movement, Rapid, Rush	25cm x 1m	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 28.98
New Slant	Cevian, Pinnacle, Trisect, Vector	25cm x 1m	PVC-Free WellBAC™ Comfort Plus Cushion	Severe	\$ 38.88
Nordic Stories - Loop & Tip Shear	Hidden Plains, Isograd, Isograd Tip Shear, Tectonic, Tectonic Tip Shear	50cm	PVC-Free WellBAC™ Comfort Cushion	Severe	\$ 28.08
Sound and Fury	Gesture, Intensity	50cm, 50cm x 1m	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 32.61
Southern Analog	Double Exposure, Fisheye, Panoramic, Pinhole, Viewfinder, Voltage	50cm	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 33.60
Surface Study-Surface Study	Burned, Distressed, Wash	50cm	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 27.57
Textured Sky	Cloud Canopy, Horizon Line, Rainmaker	50cm, 25cm x 1m	PVC-Free WellBAC™ Comfort Plus Cushion	Heavy	\$ 41.29
Whale Song	Beluga, Orca, Humpback, Narwhal	50cm	PVC-Free WellBAC™ Comfort Cushion	Heavy	\$ 31.79
Broadloom Carpets (Per Sq. Yd.)					
Formwork	Formwork	13'6"	Endura-Loc™	Heavy	\$ 18.82
Adhesives, Backing Treatments, and Options					
TractionBack - Non Adhesive Backing					\$ 1.16
Milliken Non-Reactive Standard Adhesive (4 gallon pail) - 150 sq. yd.avg. spread rate per pail					\$ 125.81
Milliken Non-Reactive Standard Adhesive (pallet qty.)					\$ 119.37
Milliken Moisture Extreme Spray Adhesive 75 sq. yd. spread rate per 6-pack					\$ 797.28
Milliken LVT Adhesive Spread Rate 220-260 sq. ft./gallon					\$ 37.77
Milliken LVT Adhesive Spread Rate 220-260 sq. ft./gallon - 4 Gallon					\$ 128.68
Acousti-Loc Adhesive Porous - 200 sqft / gallon, Non Porous - 250 sqft / gallon					\$ 139.24
Premium Underlayment for Luxury Vinyl Tile					\$ 283.52
Broadloom Adhesive - 4 gal pail 30 sq. yd. avg. spread rate per pail					\$ 71.92
Broadloom Adhesive (pallet Qty.)					\$ 68.34

LVT Products (Per Sq. Ft.)					
Abstract - Fibre		18" x 36"			\$ 2.98
Abstract - Twist		18" x 18"			\$ 2.98
District Collection - Midtown Village		18" x 18"			\$ 2.98
Stone - Charlotte, Slate		18" x 18"			\$ 2.98
Stone - Serpeggiante		12" x 24"			\$ 2.98
Stone - Stone		18" x 36"			\$ 2.98
Wood - Apple Wood, Oak,		5" x 48"			\$ 2.98
Wood - Cherry, Eucalyptus Saligna, Fine Line, Kokutan, Laurel Oak, Rosecliff Cherry, Rosewood, Rustic Pine, Teak		7" x 48"			\$ 2.98
Wood - Aged Oak, Fissure Oak		9" x 48"			\$ 2.98
Loose Lay Abstract - Immersive Cross Cut, Immersive Vertical		7.9" x 39.4"			\$ 4.15
Loose Lay Abstract - Immersive Square, Tactual		19.7" x 19.7"			\$ 4.15
Loose Lay Abstract - Sensations. Tangible		18" x 36"			\$ 4.15
Loose Lay Abstract - Power Grid, Polished Concrete		36" x 36"			\$ 4.15
Loose Lay Natural Collection - Fargesia Bamboo, Heritage Wood, Eero, Shenandoah, Pike, Gunnison		9" x 59.72"			\$ 4.15
Metro Park Rigid Form - Shenandoah, Pike, Kokutan, Euclaytus Saligna, Applewood Heritage Wood		7" x 48"			\$ 3.71
Metro Park Rigid Form - Tangible		18" x 36"			\$ 3.71
Change Agent Relic - Rune, Philosophy, Virtue, Shrine, Antiquity, Heirloom, Artifact, Fortune, Hero, Elixir, Figure, Quest		25cm x 100cm			\$ 4.39
Change Agent Conjure - Arise, Spirit, Ember, Nexus, Ash, Cycle, Coal		25cm x 150cm			\$ 4.39
Change Agent Rootwork - Enchant, Harvest, Sacred, Divine, Crest, Honor, Revere, Heir, Legend		25cm x 150cm			\$ 4.39

Milliken

Installation Prices ("NOT TO EXCEED" costs)	Unit of Measure	Price			
Actual Installation costs will require site review and estimate					
Cove base: furnish and install 4"	LNF	\$ 2.75			
Cove base: Furnish and install 4.5"	LNF	\$ 2.90			
Cove base: furnish and install 6"	LNF	\$ 3.00			
Transition strips: Metal (furnish&install)	LNF	\$ 4.00			
Transition strips: Vinyl (furnish&install)	LNF	\$ 4.00			
Stair nosing (furnish and install)	LNF	\$ 5.00			
Stair tread (furnish and install)	LNF	\$ 40.00			
Floor Prep	Per Sq. Ft.	\$ 1.00			
Furnish and Install Standard VCT	Per Sq. Ft.	\$ 2.75			
Furnish and Install SRT/VCT Slip Resistant	Per Sq. Ft.	\$ 7.00			
Install LVT	Per Sq. Ft.	\$ 2.75			
Underlayment Install - NTE Level	Per Sq. Ft.	\$ 2.25			
Remove VCT or LVT	Per Sq. Ft.	\$ 1.75			
*Furnish and Install Hard Surface Tile/Wood/Rubber Tile	Per Sq. Ft.	\$ 20.00			
*Note this price includes setting materials, grout and base but does not include epoxy, mud bed or waterproofing					
Labor: Material Handling/Staging	Per Sq. Yd.	\$ 2.00			
Labor: Hard Surface Tile Removal	Per Sq. Ft.	\$ 5.00			
**Scarify Subfloor	Per Sq. Ft.	\$ 1.10			
**Note this services requires a \$500 minimum trip charge					
Install Carpet cove base	LNF	\$ 4.00			
Labor: install carpet (rennovation)	Per Sq. Yd.	\$ 9.00			
Labor: install carpet (new construction)	Per Sq. Yd.	\$ 8.50			
Labor: remove existing carpet	Per Sq. Yd.	\$ 3.50			
Labor: move furniture (light moving)	Per Sq. Yd.	\$ 5.00			
Labor: move furniture (medium moving)	Per Sq. Yd.	\$ 9.00			
Labor: move furniture (heavy moving)	Per Sq. Yd.	\$ 27.00			
Labor nights & weekends upcharge	Per Sq. Yd.	\$ 5.00			
Material disposal	Per Sq. Yd.	\$ 1.25			
Labor: Stairs	LNF	\$ 3.00			
30 Yard Dumpster	Each	\$ 1,000.00			
Moisture Abatement		quote per project			
Moisture Testing: Per Test NTE (Includes tests and labor/time to set and read)	Each	\$ 250.00			
Project Management Fee on Turnkey projects		up to 20% of contract value			

Authorized Exceptions and Notes to Pricing Listed Above:

- >Per F.A.R. Section 52.299-4 c, the vendor will charge for reimbursement of taxes imposed on the contractor projects
- >All Installation projects are subject to an administrative processing fee
- >Prevailing Wage, Union Labor, and High-Cost Areas are not included in pricing listed above. Pricing for these projects will be project and San Diego, San Francisco, St. Louis, Washington, D.C. provided at open market price.
- apply.
- apply.
- >Turnkey Invoicing: Material will be invoiced as it is shipped (or phased) and labor will be invoiced upon completion of project.
- >Exclusions: Asbestos Testing and Abatement, Major floor prep and Leveling, Hoisting, Handling electronic equipment including (but not Payment and Performance Bonds, Floor and Equipment protection and Long Term Storage of Materials.
- > Mobilization charges may apply if installation crew arrives on project site and cannot perform scheduled work due to unexpected
- All Prices include freight (FOB Destination, contiguous U.S.) Orders should be entered as inclusive of Freight.

Milliken

The Portfolio—Share our Story

150+ years of innovation
Design-led technology
Respect for the environment
Products that inspire



CONTACT US

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