

Milliken™

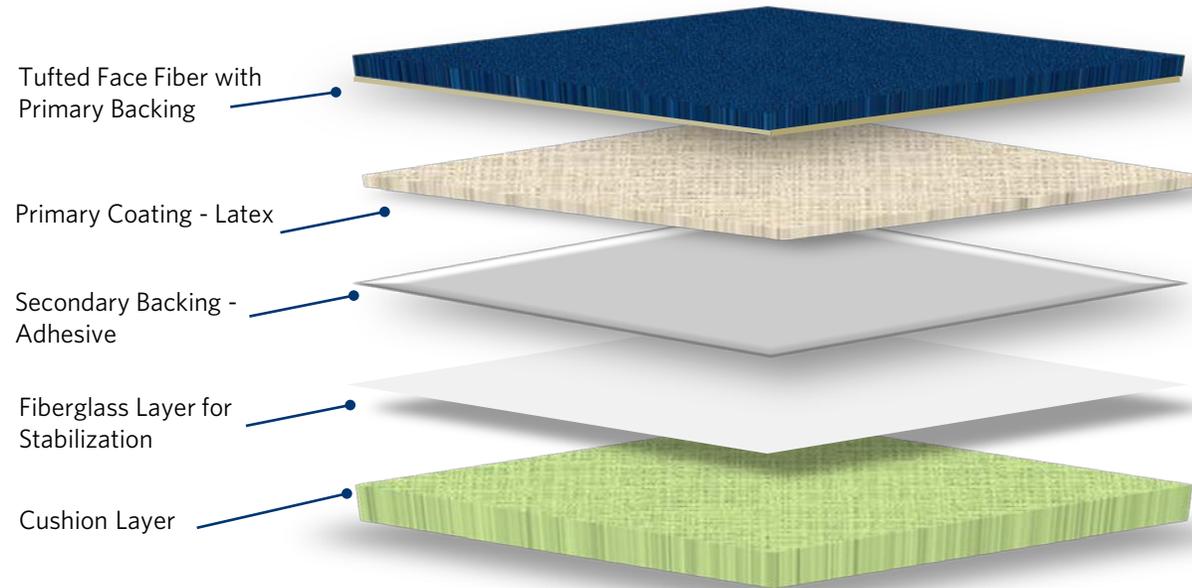
Look Book

2017

ADVANTAGES OF MILLIKEN CARPET TILE

CUSHION BACKING

Comfort Plus® & Underscore™ are Milliken's latest generation cushion backing systems and come standard with Milliken modular carpet products. In addition to providing superior underfoot comfort and significantly improving durability, these cushion backings also offer ergonomic, acoustic, and environmental benefits.



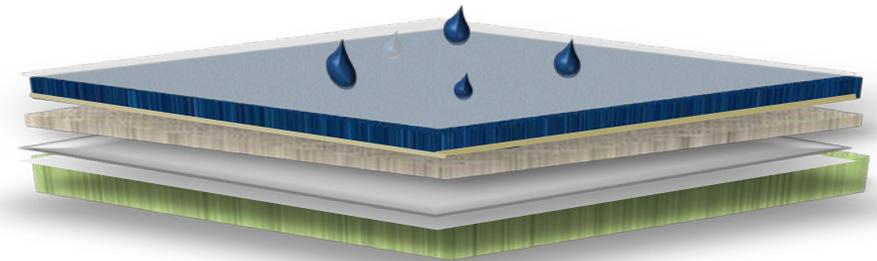
Like an insulating shock absorber, Milliken cushion backings improve appearance retention and enhance comfort and safety. In addition to providing Severe TARR ratings, Milliken cushioned carpet tiles are unmatched in moisture management. They repel liquids at the surface and wick moisture away from the sub-floor, reducing conditions for mold and mildew growth. By allowing high levels of moisture to be transported through the tile, Milliken modular tiles can handle water vapor emissions up to 85% relative humidity. This unique feature eliminates one less worry about carpet in a high-humidity environment.

ADVANTAGES OF MILLIKEN CARPET TILE

MOISTURE + MILLIKEN = ZERO WORRIES

- ◆ Milliken carpet tiles have an unmatched moisture management system that works from the top & bottom.
- ◆ Liquid Barrier stops liquids at the surface
- ◆ Cushioned backing wicks moisture away from the sub-floor, thereby reducing and controlling conditions for mold and mildew growth and preserving the adhesive bond to the sub-floor
- ◆ No Sealers needed! Sealers add time, cost, and VOCs which hurt Indoor Air Quality.
- ◆ PVC and plasticizer free to eliminate VOCs and create a stronger bond, compatible to all adhesives

StainSmart Technology repels and beads surface moisture **ALPHASAN**® Antimicrobial Treatment inhibits mold, mildew and odor



Milliken™

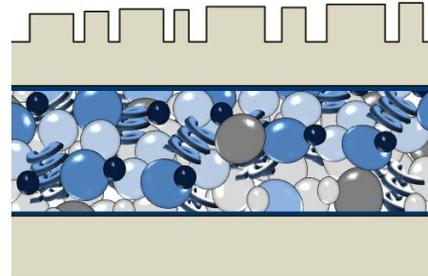
ADVANTAGES OF MILLIKEN CARPET TILE



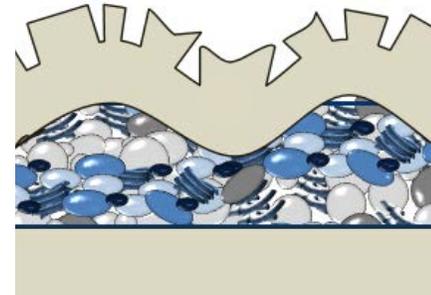
OPEN-CELLED FOAM VS. CLOSED-CELL FOAM

OPEN-CELL URETHANE CUSHION

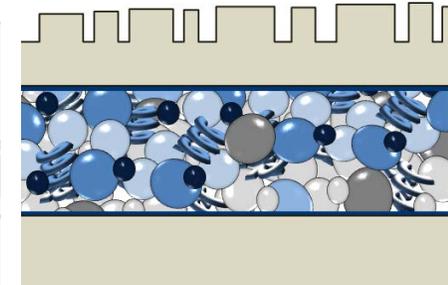
- Best cushioning (urethane is elastic, not plastic)
- Most durable
- Chemically inert & bonds to any surface
- Wicks away moisture



Micro-cellular open-cell urethane foam



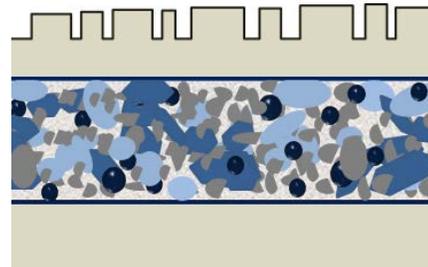
Open-cells or "Springs" recover after compression



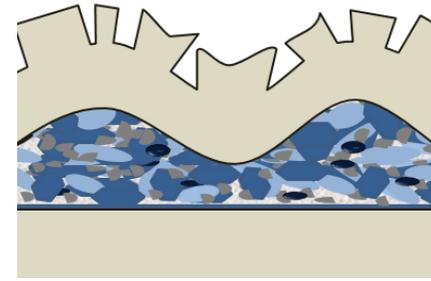
Cells **return to original** shape after compression

CLOSED-CELL THERMOPLASTIC CUSHION

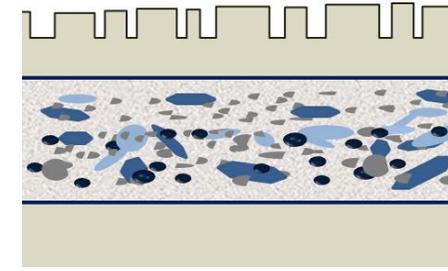
- Loss of performance over time
- Contains phthalates harmful to the environment
- Incompatible with some adhesives
- Traps moisture which can lead to mold/mildew issues



Closed-cell foam



Closed-cells or "Balloons" rupture under compression



Loss of cushioning and reduced resiliency due to escaped air

ADVANTAGES OF MILLIKEN CARPET TILE

IMPROVED ACOUSTICS

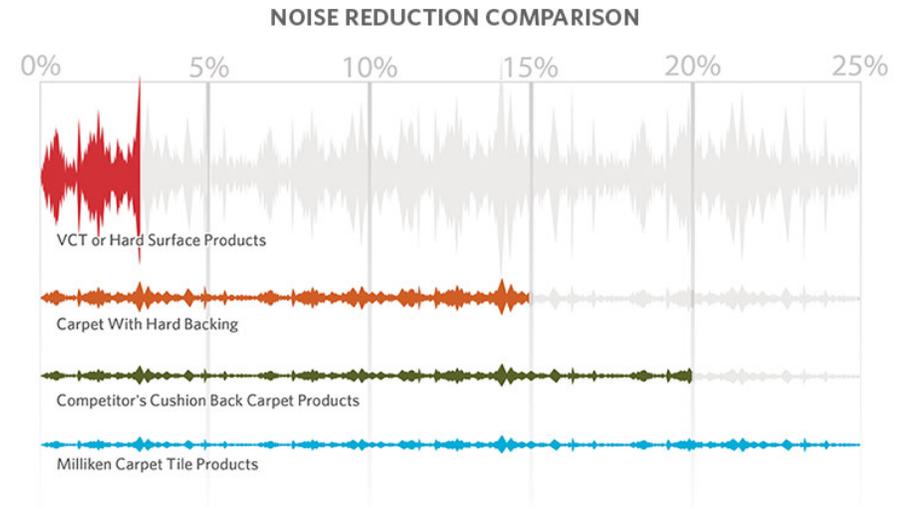
Noise has been repeatedly tied to reduced cognitive performance. Studies show office commotion impairs workers' ability to recall information, and even to do basic arithmetic. Listening to music to block out the office intrusion doesn't help: even that, impairs our mental acuity.

 POSITIVE
IMPACT

ON STUDENT
& STAFF
PRODUCTIVITY



Carpet provides sound absorption and impact insulation to provide heightened privacy and fewer distractions from everyday foot traffic.

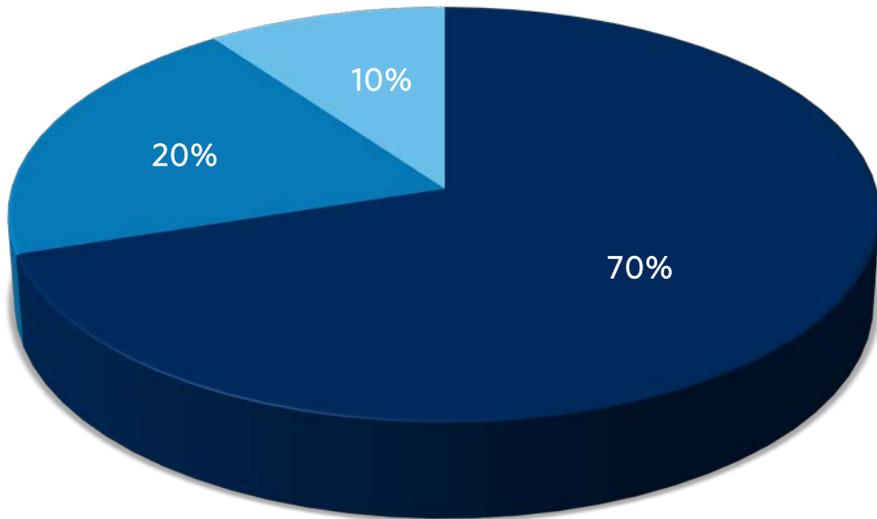


Mental arithmetic and non-speech office noise: an exploration of interference-by-content. *Noise Health*. 2013 Jan-Feb;15(62):73-8. doi: 10.4103/1463-1741.107160. Perham N1, Hodgetts H, Banbury S.

ADVANTAGES OF MILLIKEN CARPET TILE



OPTIMIZING ERGONOMICS



■ Prefer to Sit/Stand ■ Prefer to Sit ■ Prefer to Stand

From a case study of musculoskeletal discomfort experienced by bank tellers. Conducted by A. Roelofs and L. Straker



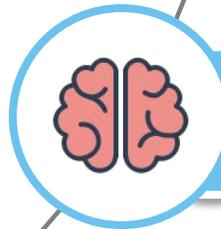
Ergonomics is more than your desk and chair. Combining ergonomics with any academic setting allows educators to be more flexible in how they design coursework and better meet the educational needs of their students.



The key is to incorporate comfort and flexibility in the design, while Flexible learning environments require periods of standing and moving



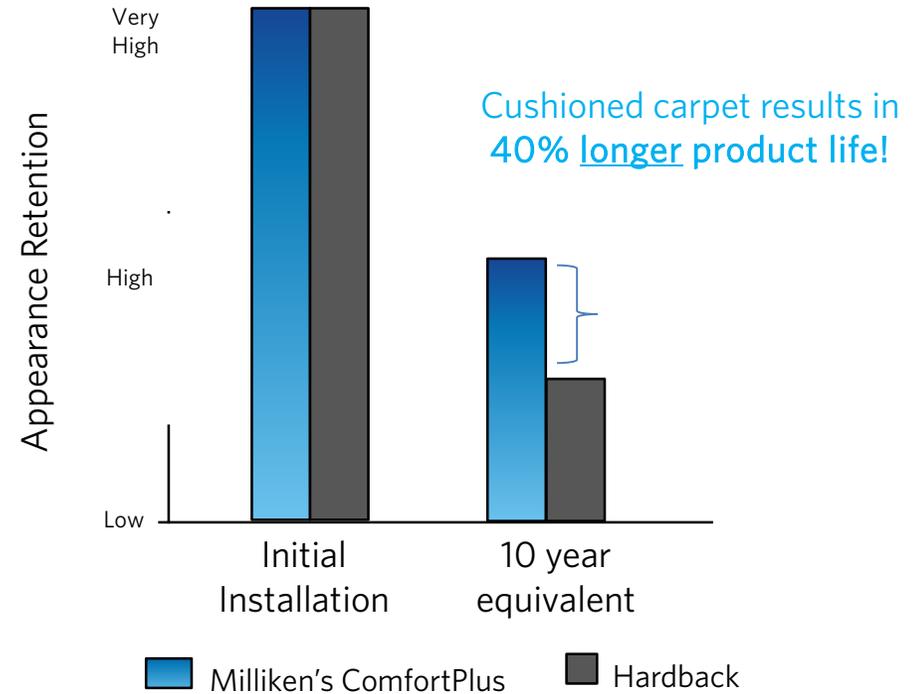
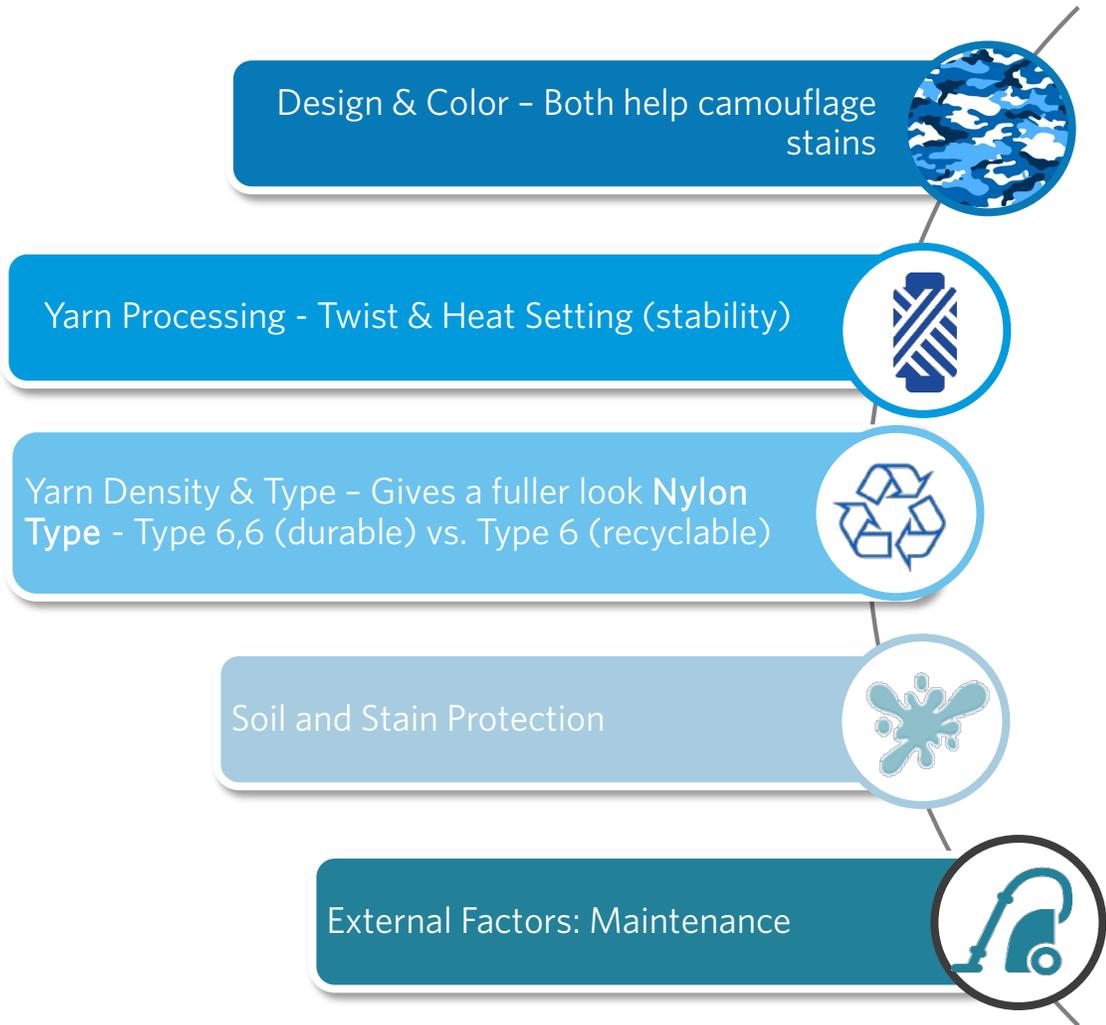
A research study conducted at the University of Pittsburgh, shows that Milliken attached cushion decreases muscle strain while standing by up to 24% versus competitor products.



Research by Steelcase shows that changing postures is physically energizing, mentally stimulating and helps people stay refreshed and engaged.

ADVANTAGES OF MILLIKEN CARPET TILE

APPEARANCE RETENTION & DURABILITY



WHAT AFFECTS CARPET APPEARANCE, IN ORDER OF IMPORTANCE



ADVANTAGES OF MILLIKEN CARPET TILE

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. Just install carpet tiles directly out of the box.

BETTER FOR THE ENVIRONMENT

Environmentally superior by every measure, TRACTIONBACK® consumes less raw materials and chemicals than 'peel and stick' products or wet adhesive systems. It eliminates the waste created by polyethylene films discarded at the installation site. And because no adhesives or floor sealants are used, TractionBack eliminates off-gassing of volatile organic compounds (VOCs), improving air quality. Furthermore, the TRACTIONBACK® chemistry itself is bio-based. For all these reasons it's clearly better for the environment, indoors and out.



TRACTIONBACK® Reduces or Eliminates:

- The need to prime or seal the floor
- Adhesive cost and installation labor
- Tools and labor to add other attachment mechanisms to the carpet tile
- Time spent spreading wet adhesives and waiting to dry
- Unnecessary waste, such as 'peel and stick' film covers
- VOC off-gassing typically associated with floor sealants and adhesives
- Traction concerns even in high-humidity environments
- Damage to raised access floors and high-quality sub-floors, leaving little or no residue
- Lost traction after lifting and replacing tiles multiple times

Milliken

ADVANTAGES OF MILLIKEN CARPET TILE



ENVIRONMENTALLY SUSTAINABLE

Milliken has demonstrated a commitment to transparency by disclosing the components of our commercial carpet tile products through Declare[®], a voluntary labeling program and database operated by the International Living Future Institute[™], and complies with the Red List Imperative of the Living Building Challenge[™]. Our commitment to sustainable manufacturing includes:

- Zero waste to landfill from our Milliken U.S. carpet manufacturing facilities since 1992
- 46% of energy used to manufacture Milliken carpet is renewable through company owned hydroelectric facilities and local landfill methane gas harvesting
- Milliken modular carpet collections carry Environmental Product Declarations (EPDs) third-party certified by Underwriters Laboratory (UL)
- All Milliken carpet is free of the 15 Red List chemicals defined in the Living Building Challenge[™]
- All global Milliken products are carbon neutral and certified by the Leonardo Academy Cleaner and Greener[®] program. Carbon dioxide created in the manufacturing of all Milliken products globally is offset through company-owned sustainably managed forests and green energy producing facilities
- Product Life Cycle Assessments (LCA) are used for new product development, as Milliken has used the Design for Environment (Dfe) process for commercial carpet since 2002
- Our Comfort Plus[®] polyurethane cushion backing increases the first life of carpet more than 40%
- All Milliken carpet is third-party certified to NSF 140 Gold or Platinum
- All U.S. plants are certified as OSHA VPP STAR sites
- All carpet manufacturing sites are ISO-14001 certified—the highest global standard for environmental responsibility
- First U.S. carpet manufacturer to obtain the carpet manufacturing certification for the ISO 9000 series standard for quality



PRODUCT PORTFOLIO

REMIX 2.0

PRODUCT AT-A-GLANCE

Each pattern in the Remix 2.0 collection is available in 24 colors. The colors can be used without accents, or you can "Remix" them with one of 8, high-energy Vibes for an extra pop of color.

109 SCARLET	138 PERIWINKLE
137 BOYSENBERRY	126 FRENCH BLUE
135 TANGERINE	140 AZUL
134 STAR FRUIT	141 APPLE

Construction
Tufted, Loop modular carpet tile

Tile Sizes
50 cm x 50 cm

Tufted Face Weight
28 oz/yd²

Stain Repel & Resist / Soil Release
StainSmart®

Total Recyclable Content (by total product weight)
100%

CRI Green Label Plus Rated

Contributes Maximum LEED Points for Carpet

Rated for Severe Traffic



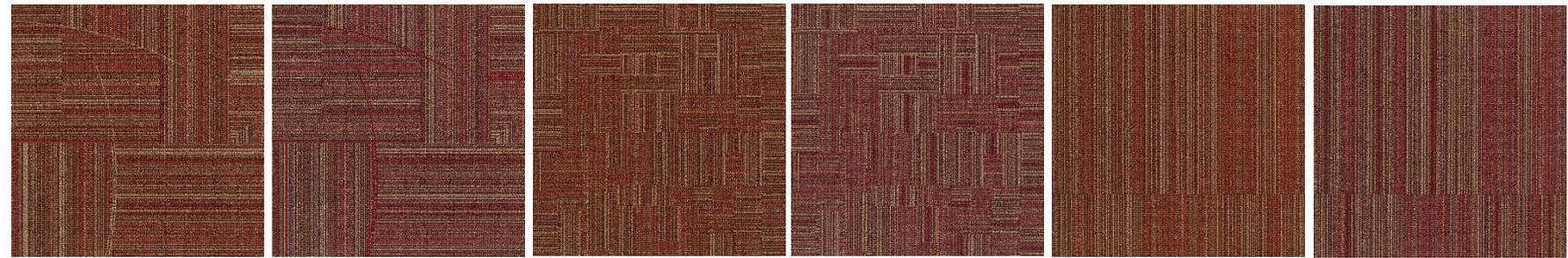
REMIX 2.0

26% Recycled Content
Available in 5 patterns and 24 colors



REMIX 2.0 - BACKBEAT in Vinyl with French Blue

RECOMMENDED PALETTE



Backbeat in BKB129 - Upbeat

Backbeat in BKB109 - Etched

Freestyle in FRS129 - Upbeat

Freestyle in FRS109 - Etched

Mix Tape in MXT129 - Upbeat

Mix Tape in MXT109 - Etched



CLICK TO VIEW THE COLLECTION



Milliken

COLOR FIELD PAINTER

16 colors in Color Field have 4 different levels of intensity and movement

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COLOR FIELD in Iron Oxide and Tawny

COLOR FIELD PAINTER

PRODUCT AT-A-GLANCE

Color Field Painter is an additional pattern in the Color Field collection. It offers the same extensive standard colorline with the added benefits of a higher weight product, Comfort Plus® backing, and a bolder interpretation of the original pattern

Construction

Tufted, Textured Loop

Tile Size

25 cm x 1 m

Tufted Face Weight

20 oz/yd²

Stain Repel & Resist / Soil Release
StainSmart®

Yarn Type

Milliken-Certified WearOn®
Nylon
Type 6,6

CRI Green Label Plus Rated

Contributes Maximum LEED Points for Carpet

Rated for Severe Traffic

RECOMMENDED PALETTE



CFP70-122 Copper Strand



CFP122 Pale Gull



CFP70 Tawny



CFP96-70-33 Iron Oxide

Milliken

COLOR FIELD PAINTER

16 colors in Color Field have 4 different levels of intensity and movement

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COLOR FIELD in Chimney, Vinoso, and Embers

RECOMMENDED PALETTE



COL120 Chimney



COL60 Vinoso



COL60-120 Embers

COLOR FIELD

PRODUCT AT-A-GLANCE

With the ability to discern layers as if they were aged by nature, the collection offers 64 colors to create a quiet floor plane or allow punctuations of color with vibrant hues. This high performance, severe-rated modular plank allows Color Field to stand-up to the most extreme traffic while maintaining an imaginative color palette.

Construction

Tufted, Loop modular carpet tile

Tile Sizes

50 cm x 50 cm

Tufted Face Weight

28 oz/yd²

Stain Repel & Resist / Soil

Release

StainSmart®

Total Recyclable Content

(by total product weight)

100%

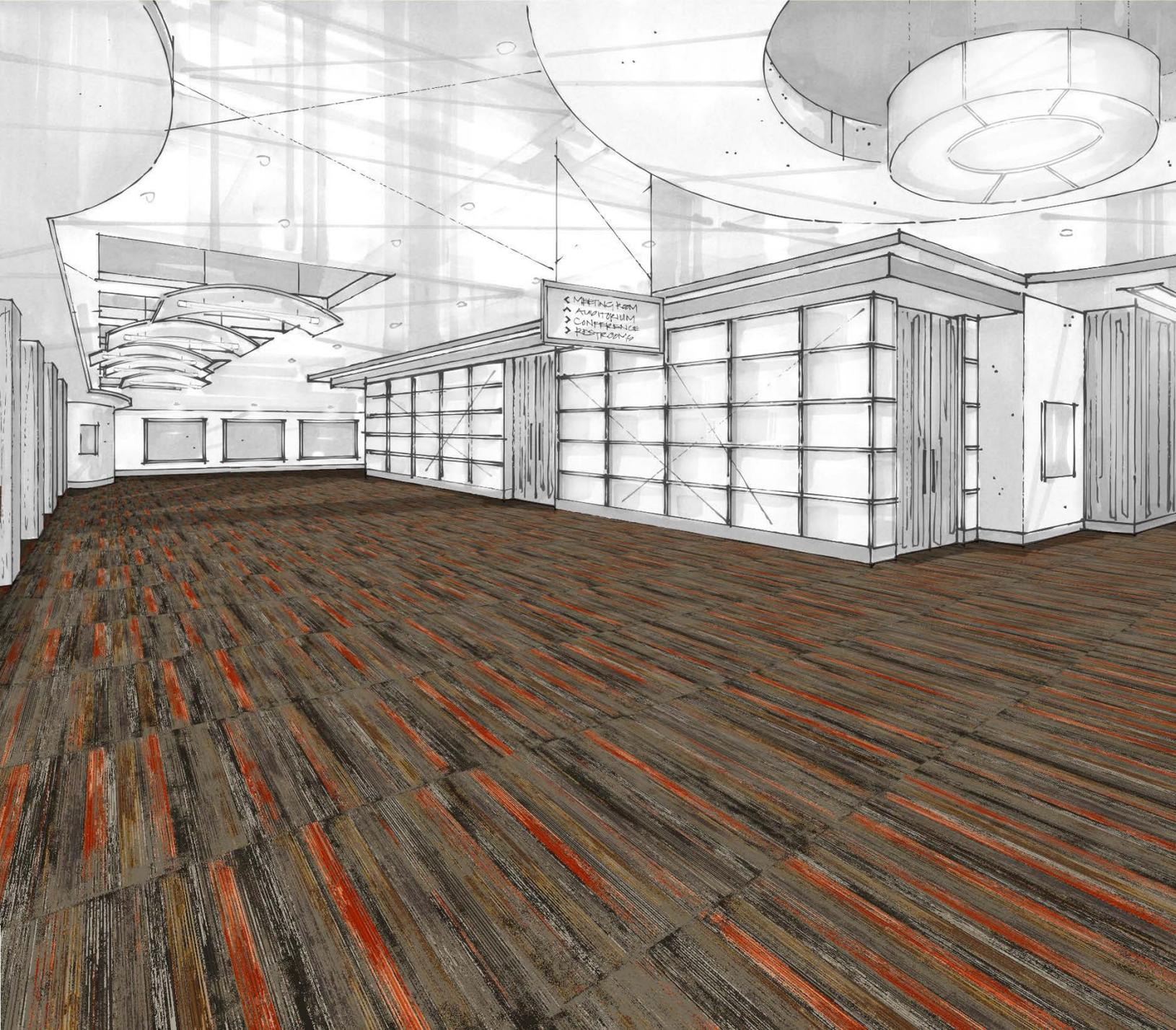
CRI Green Label Plus Rated

Contributes Maximum

LEED Points for Carpet

Rated for Severe Traffic

Milliken



[CLICK TO VIEW THE COLLECTION](#)



Milliken

FIXATE

Available in 40 colors and 2 constructions - Fixate Velvet and Fixate Loop

Milliken

FIXATE LOOP

PRODUCT AT-A-GLANCE

Quick Ship Available | PVC Free Cushion Backing System
In Select Colors

Rows of bright color run parallel to one another, each trying to outrace the other. Varying width stripes introduce an organic quality to the classic precision of pinstripes while deeply saturated colors provide pure streaks of cheer. The feeling is dynamic, optimistic and fresh.

Construction

Tufted, Textured Loop carpet tile

Available in 40 colors
50 cm and 1 meter modular tile

Total Recycled Content:
32%

Available with Milliken's
TractionBack® technology

Right side: Frequency
Left side: Diploid

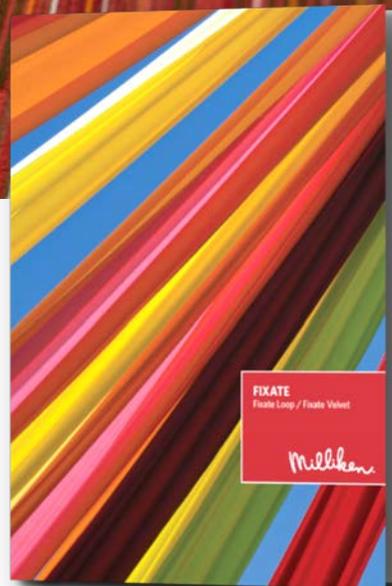
RECOMMENDED PALETTE



FXL102 Non-Zero



FXL168-110 Frequency



[CLICK TO VIEW THE COLLECTION](#)

Milliken

LYCEUM

Aristotle / Plato

endless possibilities in color combinations

Milliken™

LYCEUM

PRODUCT AT-A-GLANCE

Quick Ship Available | PVC Free Cushion Backing System
In Select Colors

. Plato becomes the foundation with a line of 16 neutrals and 36 bright accent colors for selected placement. With a choice of one, two, or three colors from the accent palette, Plato becomes the brilliant Aristotle, reflecting an individual's brand character or spirit of the interior.

Construction

Tufted, Textured Loop

Digitally Patterned Print on X1

100% Milliken-Certified WearOn® Nylon Type 6,6

Standard Tile Size:

1m x 1m for Plato and Aristotle (all standard colors)

25cm x 100cm for Plato (Brights only)

Total Recycled Content: 26%

RECOMMENDED PALETTE



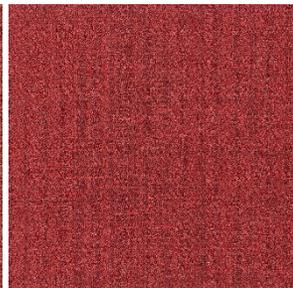
PLB135 Burnt Orange



PLB128 Carrot



PLB60 Sepia



PLB102 Garnet



PLN81 Quartz

[CLICK TO VIEW THE COLLECTION](#)

Milliken™

SOUTHERN ANALOG

PRODUCT AT-A-GLANCE

Quick Ship Available | PVC Free Cushion Backing System
In Select Colors

Southern Analog's variegated linear elements create a dreamlike impression of motion.

It's available in 3 designs and 6 colors (Viewfinder is only available in 2 colors)

Construction

Tufted, Textured Loop modular carpet tile

Tile Sizes

50 cm x 50 cm

Tufted Face Weight

15 oz/yd²

Stain Repel & Resist / Soil Release

StainSmart®

Total Recycled Content

24%

Rated for Severe Traffic

SOUTHERN ANALOG

47% Recycled Content

Available in 6 patterns and 18 Colors

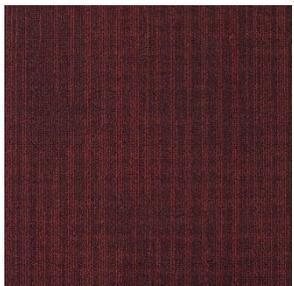


SOUTHERN ANALOG - Panoramic in Flare

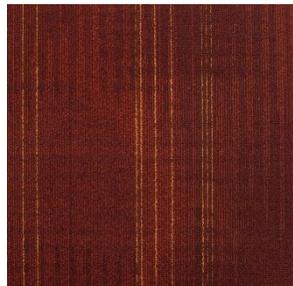
RECOMMENDED PALETTE



Panoramic in Zap



Pinhole in Zap



Viewfinder in Zap



Voltage in Zap

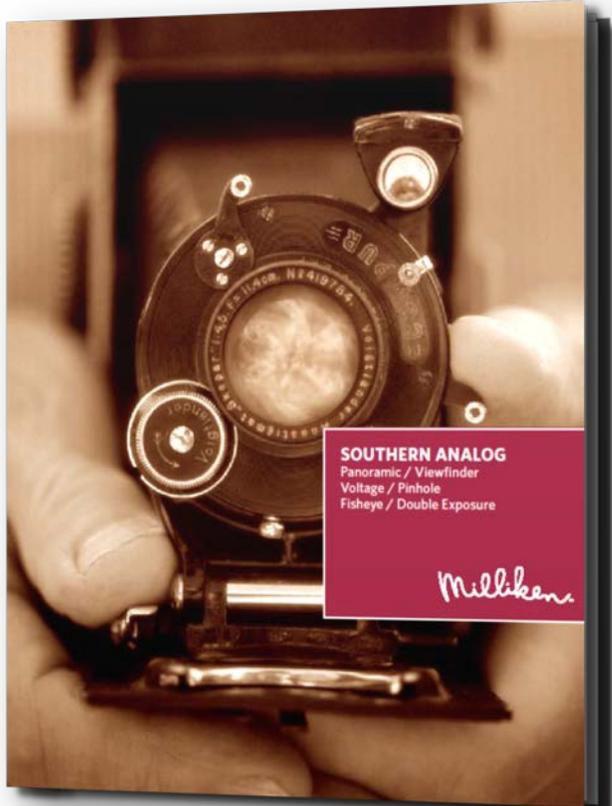


Voltage in Flare





[CLICK TO VIEW THE COLLECTION](#)



Milliken.

FORMWORK

Available in 48 Colors

Milliken



FORMWORK in Doric, monolithic tile installation, and Line By Line in Quick Draw with Quartz and Clementine accents, ashlar tile installation

RECOMMENDED PALETTE



FWK102 Mezzanine



FWK109 Scarlet



FWK121 Torus

FORMWORK

PRODUCT AT-A-GLANCE

Quick Ship Available | PVC Free Cushion Backing System

Formwork provides a practical and timeless coordinate to a wide selection of Milliken collections globally—made easier by coordinating colors using our Color Reference system. The functional modular tile provides a full range of solutions. It can be used as a or act as a transition between patterns.

Construction

Tufted, Level Loop modular carpet tile

Tile Sizes

50 cm x 50 cm

Tufted Face Weight

18 oz/yd²

Stain Repel & Resist / Soil Release

StainSmart[®]

Rated for Severe Traffic

[CLICK TO VIEW THE COLLECTION](#)

Milliken

GHOST ARTIST

Available in 4 Patterns and 18 Colors

Milliken



GHOST ARTIST

PRODUCT AT-A-GLANCE

Quick Ship Available | PVC Free Cushion Backing System

Construction

Tufted, Level Loop modular carpet tile

Finished Pile Height

Facade/Shadowpoint: 0.109" (2.77 mm)
Semblance/Trace: 0.125" (3.18 mm)

Tile Sizes

50 cm x 50 cm

Tufted Face Weight

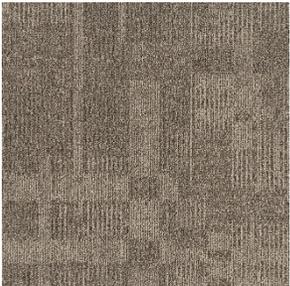
Facade: 21 oz/yd² (712 g/m²)
Semblance: 21 oz/yd² (712 g/m²)
Shadowpoint: 23 oz/yd² (780 g/m²)
Trace: 22 oz/yd² (746 g/m²)

Stain Repel & Resist / Soil Release StainSmart®

Rated for Severe Traffic

SHADOWPOINT in Cache, monolithic tile installation

RECOMMENDED PALETTE



FAÇADE in FAC124-94 Cache



FAÇADE in FAC60-82 Seclude



SEMBLANCE in SEM124-94 Cache



SEMBLANCE in SEM60-82 Seclude



SHADOWPOINT in SHA124-94 Cache



SHADOWPOINT in SHA60-82 Seclude

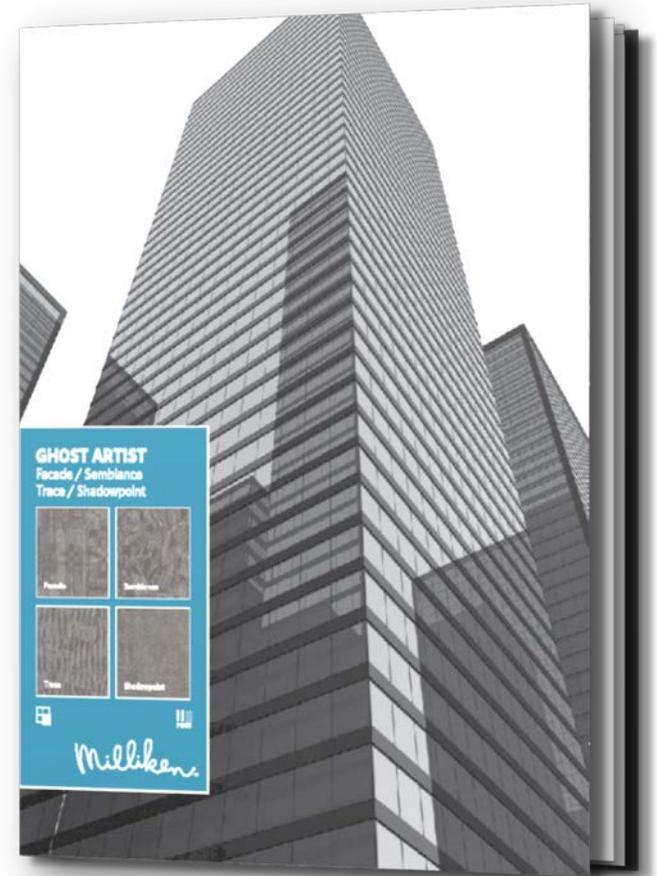
Milliken

CLICK TO VIEW THE COLLECTION



CLIENT:
Splunk
Seattle, Washington, USA

PRODUCT:
Formwork
Ghost Artist



Milliken

PARTNERING FOR THE FUTURE OF EDUCATION

Milliken's cushioned Floor Coverings provide students and staff with unparalleled acoustics, indoor air quality, and comfort to significantly enhance their learning environment. With over 149 years of experience designing sustainable textiles, colorants, and composites, Milliken's innovative designs transform a school's image, performance, and safety to improve student performance and teacher retention. With our easy to use carpet tiles, cleaning kits, Moisture Pro adhesives, and on-site MilliCare cleaning services you can fast-track renovations and minimize maintenance costs

FAST DELIVERY
FASTER
INSTALLATION

+

BETTER
ACOUSTICS

BETTER
LEARNING
ENVIRONMENT



+

MOISTURE + MILLIKEN
= ZERO WORRIES

Milliken

Milliken™