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.
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
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

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
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.

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

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.

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

*University of Pittsburgh Studies (Redfern)
WHAT AFFECTS CARPET APPEARANCE, IN ORDER OF IMPORTANCE

- **Initial Installation**
  - Milliken’s ComfortPlus: Very High
  - Hardback: High

- **10 year equivalent**
  - Milliken’s ComfortPlus: High
  - Hardback: Low

Cushioned carpet results in **40% longer** product life!

- **Design & Color** - Both help camouflage stains
- **Yarn Processing** - Twist & Heat Setting (stability)
- **Yarn Density & Type** - Gives a fuller look: Nylon Type - Type 6,6 (durable) vs. Type 6 (recyclable)
- **Soil and Stain Protection**
- **External Factors: Maintenance**

WHAT AFFECTS CARPET APPEARANCE, IN ORDER OF IMPORTANCE
**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.

**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

**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.
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 third-party certified to NSF 140 Gold or Platinum
- 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

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PRODUCT PORTFOLIO
REMIX 2.0
26% Recycled Content
Available in 5 patterns and 24 colors

Recommended Palette

REMIX 2.0
PRODUCT AT-A-GLANCE

Tufted, Loop modular carpet tile

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

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.
COLOR FIELD PAINTER
16 colors in Color Field have 4 different levels of intensity and movement

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

COLOR FIELD in Chimney, Vinoso, and Embers

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.

COLOR FIELD
PRODUCT AT-A-GLANCE

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

RECOMMENDED PALETTE

COL120 Chimney  COL60 Vinoso  COL60-120 Embers
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
LYCEUM

Product At-A-Glance

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%

Quick Ship Available
In Select Colors

PVC Free Cushion Backing System

Recommended Palette

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Color Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB135</td>
<td>Burnt Orange</td>
</tr>
<tr>
<td>PLB128</td>
<td>Carrot</td>
</tr>
<tr>
<td>PLB60</td>
<td>Sepia</td>
</tr>
<tr>
<td>PLB102</td>
<td>Garnet</td>
</tr>
<tr>
<td>PLN81</td>
<td>Quartz</td>
</tr>
</tbody>
</table>

CLICK TO VIEW THE COLLECTION
SOUTHERN ANALOG
PRODUCT AT-A-GLANCE

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**

**RECOMMENDED PALETTE**

- Panoramic in Zap
- Pinhole in Zap
- Viewfinder in Zap
- Voltage in Zap
- Voltage in Flare

Quick Ship Available
In Select Colors

PVC Free Cushion Backing System
FORMWORK
Available in 48 Colors

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**

**Quick Ship Available** | PVC Free Cushion Backing System

**Recommended Palette**
FWK102 Mezzanine  FWK109 Scarlet  FWK121 Torus
SHADOWPOINT in Cache, monolithic tile installation

GHOST ARTIST
Product AT-A-GLANCE

Quick Ship Available | PVC Free Cushion Backing System

Construction
Tufted, Level Loop modular carpet tile

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)

Finished Pile Height
Facade/Shadowpoint: 0.109” (2.77 mm)
Semblance/Trace: 0.125” (3.18 mm)

Stain Repel & Resist / Soil Release StainSmart®
Rated for Severe Traffic

Recommended Palette

- **Facade** in FAC124-94 Cache
- **Facade** in FAC60-82 Seclude
- **Semblance** in SEM124-94 Cache
- **Semblance** in SEM60-82 Seclude
- **Shadowpoint** in SHA124-94 Cache
- **Shadowpoint** in SHA60-82 Seclude
CLIENT: Splunk
Seattle, Washington, USA

PRODUCT: Formwork
Ghost Artist
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.