BioBased Tile™ with BioStride™

A revolutionary new flooring made with rapidly renewable resources
A Revolutionary New Flooring Made with Rapidly Renewable Resources

Armstrong makes a giant LEAP with BioStride, a breakthrough patent-pending polymer that contains biobased, rapidly renewable ingredients. BioStride’s unique plant-based composition reduces the reliance on petroleum and fossil fuels.

The first use of BioStride is in MIGRATIONS BioBased Tile (BBT™) — a new category of tile. MIGRATIONS TRANSFORMS what’s possible in resilient flooring by providing additional environmental attributes and combining them with enhanced performance over composition tile with classic looks and affordability.

It’s easy to MIGRATE to our new BBT; a greener product option at an affordable price point.
MIGRATIONS™

T3512  sandy beige
T3513  golden sands
T3516  spiced orange
T3517  pepper red
T3518  denim blue
T3520  moss green

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MIGRATIONS™ BioBased Tile™ with BioStride™

A New Category of Tile with Enhanced Environmental and Performance Attributes

Enhanced Range of Green Benefits

• Contains patent-pending BioStride™ polymer made with rapidly renewable, US-grown plant ingredients
• BioStride reduces reliance on petroleum and fossil fuels
• 10% preconsumer recycled content reduces use of virgin materials
• Low VOC emissions — FloorScore™ certified to California Section 01350
• Contributes to LEED® credits EQ4.3, MR4.0, MR6.0 and depending on project location, MR5.0

An Affordable Greener Option

• A greener product option at an affordable price point
• Same proven long product life as other resilient flooring materials

Enhanced Performance over Composition Tile with Classic Looks

• Twice the indent resistance
• More than 5 times greater resistance to impact
• More than 2.5 times greater resistance to cracking from uneven subfloors
• Balanced color offering — 28 neutrals and colors coordinate with Armstrong’s complete portfolio of products

No Additional Maintenance or Installation Requirements

• Identical gauge allows easy use for spaces where composition tile is used today
• No new maintenance training, equipment or cleaners required
• Standard composition tile adhesives and installation techniques

Industry Leading Quality from the Most Trusted Name in the Industry

• 145 years of experience with a proven track record of performance, quality and sound environmental practices

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Introducing a New Product, a New Category and New Direction

Armstrong has long had a portfolio of commercial flooring products that allows customers to choose from a wide variety of green options. They include linoleum, luxury vinyl tile, commercial hardwood, sheet, VCT, and specialty flooring — all of which contribute to or comply with at least one LEED® credit.

Now, we are proud to add a unique category of tile to our wide array of stylish, effective and green product choices — BioBased Tile™ or BBT™. BioBased Tile utilizes our new patent pending polymer, BioStride™ which contains biobased, rapidly renewable ingredients.

The biobased portion of BioStride offers a sustainable alternative that reduces reliance on petroleum-based products while providing equal or better performance. MIGRATIONS™ BioBased Tile, our first product application of BioStride, impacts the most-used category of resilient flooring — composition tile — so that it exerts maximum impact on the market, with a greener product at an affordable price point.

So, what is the materials difference between today’s Composition Tile and MIGRATIONS BioBased Tile?

Vinyl Composition Tile

- 85% limestone
- 1% recycled vinyl
- 1% pigments
- 13% vinyl binder

Biobased Tile

- 75% limestone
- 10% recycled limestone
- 14% BioStride
- 1% pigments
An Enhanced Range of Green Benefits

Patent-pending BioStride contains rapidly renewable, US-grown plant ingredients. As a result, BioStride reduces reliance on petroleum and fossil fuels. Compared with conventional composition flooring, a 20,000 square foot installation of BBT™ saves energy and natural resources equivalent to 72 gallons of gasoline.

MIGRATIONS BBT uses 10% preconsumer recycled limestone, which helps to reduce the use of virgin ingredients and diverts material from landfills. A 20,000 square foot BBT installation diverts 2,800 pounds of waste from landfills. The limestone used in MIGRATIONS BBT is sourced near our manufacturing plant in Jackson, MS to reduce the effects of material transportation on the environment.
Low VOC emissions—FloorScore™ certified to California Section 01350. MIGRATIONS™ BBT™, like all Armstrong™ resilient products, is FloorScore™ certified and compliant with LEED® credit EQ4.3. The FloorScore program was developed by Scientific Certification Systems, a nationally recognized third-party certification company, and the Resilient Floor Covering Institute. Under this program, hard surface flooring products are tested and certified for compliance with California’s Section 01350 for low VOC emissions, the most stringent high-performance IAQ requirement in the nation.

Earn LEED Points on Your Project. BBT is an excellent solution for contributing to environmentally-friendly interiors. Made from renewable raw materials and recycled content, BBT’s “green” attributes help contribute to or comply with Leadership in Energy and Environmental Design® (LEED) credits under EQ4.3, MR4.0, MR6.0 and, depending on location, MR5.0. As a founding sponsor of the United States Green Building Council, and a member of the Canadian Green Building Council, Armstrong recognizes the importance of sustainable design and the value associated with the LEED green building rating system.

Armstrong Products that Contribute to or Comply with LEED Credits

<table>
<thead>
<tr>
<th>Category</th>
<th>Armstrong Products</th>
<th>LEED – NC &amp; CI Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BioBased Tile™</td>
<td>MIGRATIONS™</td>
<td>EQ4.3, MR4.0, MR5.0, MR6.0</td>
</tr>
<tr>
<td>Adhesives</td>
<td>All Armstrong Adhesives (except S-89)</td>
<td>EQ4.1</td>
</tr>
</tbody>
</table>

*Depends on project location.

EQ4.3 Low Emitting Materials

All Armstrong Resilient Flooring Products are independently tested and certified as low-emitting products under the FloorScore program.

MR4.0 Recycled Content

Armstrong MIGRATIONS BioBased Tile contains 10% preconsumer recycled content in the form of recycled limestone. This recycled content is independently certified to be in accordance with the FTC guidelines for preconsumer recycled content.

MR5.0* Regional Materials

Armstrong MIGRATIONS BioBased Tile is manufactured in Jackson, Mississippi. Additional information to calculate this credit is available by calling TechLineSM.

MR6.0 Rapidly Renewable Materials

Armstrong MIGRATIONS BioBased Tile contains BioStride™, a revolutionary patent-pending polymer with 2% rapidly renewable content, based on the weight of the composite tile.

EQ4.1 Low Emitting Materials

Armstrong commercial adhesives meet the requirements set forth in the SCAQMD Rule #1168 (with the exception of S-89) and are considered by this standard a low-emitting adhesive.

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An Affordable Greener Option

A greener product option at an affordable price. BBT™ can be specified for little more than the cost of traditional composition tile making it easy to go greener on most any commercial project.

Approximate Installed Costs per Square Foot

<table>
<thead>
<tr>
<th>Product</th>
<th>US Dollars</th>
<th>Canadian Dollars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Composition Tile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imperial® Texture / Rave™</td>
<td>$1.50 – $2.00</td>
<td>$1.60 – $2.00</td>
</tr>
<tr>
<td>Stonetex®</td>
<td>$2.00 – $2.50</td>
<td>$2.25 – $2.75</td>
</tr>
<tr>
<td>ARTEFFECTS®</td>
<td>$2.20 – $2.70</td>
<td>$2.50 – $3.00</td>
</tr>
<tr>
<td>Linoleum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARMORETTE™</td>
<td>$4.25 – $4.75</td>
<td>$4.00 – $4.50</td>
</tr>
<tr>
<td>BioBased Tile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIGRATIONS</td>
<td>$2.50 – $3.00</td>
<td>$2.80 – $3.30</td>
</tr>
</tbody>
</table>

Prices are approximations only. Actual prices will vary based on competitive bidding, local labor costs and job conditions. Estimated prices include material and labor figured on a 500-square-foot (46.45-square-meter) open-area installation without any special cuttings or special subfloor preparation.

MIGRATIONS™ BBT ingredients, pictured left to right:
- Limestone — virgin limestone made from abundant natural resources
- Recycled Limestone — diverts additional waste from landfills
- Pigment — naturally recurring pigments
- BioStride™ — polymer, made from rapidly renewable ingredients

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Enhanced Performance Compared with Composition Tile, with Classic Looks

MIGRATIONS™ features twice the indent resistance of composition tile, per ASTM F 970 Static Load Limit test methodology.

BioBased Tile™ has more than five times greater resistance to impact, as demonstrated by calibrated Ball Drop Testing and Can Drop Testing.

BBT™ is more than 2.5 times more resistant to cracking from uneven subfloors, shown by Deflection Testing.

A balanced color offering. 28 neutrals and colors coordinate with Armstrong’s complete portfolio of products. Designers can count on Armstrong MIGRATIONS to help them achieve their design goals, both functional and aesthetic.

Visit armstrong.com/bbt • Call 1 877 ARMSTRONG
No Additional Maintenance or Installation Requirements

Identical gauge allows easy use in spaces where composition tile is used today. Armstrong™ MIGRATIONS™ is ideal for schools, healthcare, mass retail and any other commercial space that requires a long-lasting, good-looking, economical and easy-to-maintain flooring solution. Perfect for use in retrofits, repairs and additions without worry about transitions.

No new maintenance training, equipment or cleaners required. MIGRATIONS is designed to be maintained using traditional composition tile flooring maintenance methods. No new equipment or training costs are incurred when maintaining MIGRATIONS tile. The familiar composition tile cleaning techniques mean less chance of damage to the tile from maintenance errors.

Maintenance

<table>
<thead>
<tr>
<th>Cleaners, Polishers, Strippers</th>
<th>Polish</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-401, S-402, S-403, S-485, S-486 and S-465</td>
<td>✔</td>
</tr>
</tbody>
</table>

Standard composition tile adhesives and installation techniques. MIGRATIONS BBT™ installs with the same low VOC adhesives used for conventional composition tile; these adhesives comply with LEED® credit EQ4.1. The same tools and techniques are used so contractors already know how to install MIGRATIONS. As with traditional composition tile, subfloors and underlayments must be dry, clean, smooth, and free from all foreign matter. Room temperature must be warm and subfloor moisture tests must also be conducted. BBT should be installed using the following adhesives:

Adhesives

<table>
<thead>
<tr>
<th>Subfloor</th>
<th>Wood</th>
<th>Concrete</th>
<th>Ceramic, Terrazzo, Marble</th>
<th>Metal</th>
<th>Existing Resilient Floor</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-515 or S-700</td>
<td>S-515 or S-700</td>
<td>S-515 or S-700</td>
<td>S-700</td>
<td></td>
<td>S-515 Tile-On system</td>
</tr>
</tbody>
</table>

Detailed instructions may be found in the Armstrong MIGRATIONS Installation/Maintenance Tip Sheet, F-7903.
Industry-Leading Quality from the Most Trusted Name in the Industry

With 145 years of experience in flooring, and a proven track record of performance, quality and sound environmental practices, green operations and products aren’t new for us, but they continue to be the focus of our development efforts.

Just a few examples of this commitment include the following:

1909
More than a century ago, we stopped discarding our post-industrial cork waste and began recycling it. That was the beginning of linoleum, the green product on which our modern flooring business was built.

1993
Armstrong is a founding sponsor of the United States Green Building Council and participates in the development of the LEED® Green Building Rating System.

1999
Commercial Flooring integrates the use of recycled content into VCT manufacture, diverting more than 7 million pounds of waste from landfills each year and sparing the use of equivalent virgin materials. More than 63 million pounds of waste are diverted during the next nine years.

2006
Armstrong receives FloorScore™ certification on all its resilient flooring. FloorScore certifies that products comply with CA 01350 for Indoor Air Quality. Compliant with LEED credit EQ4.3 for low emitting materials.

2006
Armstrong becomes a founding sponsor of the Canada Green Building Council, LEED Canada – CI.

2007
Building 701 at our headquarters in Lancaster, Pennsylvania earns the highest possible certification granted by the U.S. Green Building Council — USGBC LEED EB Platinum. Ours is only the sixth building ever to do so, and the first outside California.

And now...
Commercial Flooring introduces a new category of flooring with the introduction of MIGRATIONS™ BioBased Tile™ with BioStride™, a composition tile made with a rapidly renewable plant source. While this new technology transforms what’s possible in resilient flooring, it is another demonstration of Armstrong’s commitment to building on a heritage of sustainability.
Comparative Data

<table>
<thead>
<tr>
<th>Products</th>
<th>Overall Thickness (nominal)</th>
<th>Static Load Limit PSI (kg/cm²)</th>
<th>Durability (3a)</th>
<th>Maintainability (3b)</th>
<th>Resilience (3c)</th>
<th>Reference Specs (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIGRATIONS™</td>
<td>1/8 in. (3.2 mm)</td>
<td>250 (17.6)</td>
<td>VG</td>
<td>G</td>
<td>G</td>
<td>ASTM F 1066, Class 2 through-pattern</td>
</tr>
</tbody>
</table>

1. Overall and wear layer thicknesses are nominal and subject to normal manufacturing variances.

2. PSI: lbs./sq. in. (kg/cm²)
   a) Static Load Limit per ASTM F 970

3. Subjective ratings (Excellent, Very Good, Good, Fair) are in relation to other Armstrong™ commercial resilient floors. Ratings are not directly related to any one test. They are broadly based on tests and experience of Armstrong R & D under varying conditions and circumstances. These ratings should NOT be used for comparison to ratings used by other manufacturers to rank their own products.

   Meets the requirements for size, squareness, thickness, indentation, impact, deflection, resistance to chemicals and resistance to heat.
   NOTE: As MIGRATIONS’ unique binder system does not contain polyvinyl chloride resins, plasticizers and stabilizers, it does not meet the F 1066 specification’s Materials requirements.

5. All products meet the following Fire Test Data:
   a) ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watts/cm² or more, Class I
   b) ASTM E 662 Smoke Chamber Specific Optical Smoke Density – 450 or less. Numerical flammability ratings alone may not define product performance under actual fire conditions. These ratings are provided only for use in the selection of products to meet specified limits.

Scratch Whitening

Darker-colored patterns may be susceptible to scratch whitening. These colors may require more frequent maintenance if used in field areas.

<table>
<thead>
<tr>
<th>Product</th>
<th>Pattern Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIGRATIONS</td>
<td>T3500, T3501, T3514, T3517, T3518, T3521, T3523, T3524, T3525, T3526, T3527</td>
</tr>
</tbody>
</table>

Light Reflectivity Values in Percent

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>T3500</td>
<td>T3501</td>
<td>T3514</td>
<td>T3507</td>
<td>T3509</td>
<td>T3527</td>
<td>T3502</td>
<td>T3510</td>
<td>T3503</td>
<td>T3505</td>
<td>T3506</td>
<td>T3508</td>
<td>T3515</td>
<td>T3512</td>
<td>T3511</td>
</tr>
<tr>
<td>T3519</td>
<td>T3508</td>
<td>T3517</td>
<td>T3518</td>
<td>T3516</td>
<td>T3509</td>
<td>T3518</td>
<td>T3508</td>
<td>T3515</td>
<td>T3512</td>
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<tr>
<td>T3526</td>
<td>T3521</td>
<td>T3523</td>
<td>T3513</td>
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<tr>
<td>T3524</td>
<td>T3520</td>
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<tr>
<td>T3525</td>
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</tr>
</tbody>
</table>

Measured under incandescent illumination (ASTM D347). Types and patterns tested here are those most suited to commercial interiors where reflectivity is a major factor. Ratings for other patterns available upon specific request.
### Recommended Applications

<table>
<thead>
<tr>
<th>MIGRATIONS*</th>
<th>MIGRATIONS*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health Care/Hospital</strong></td>
<td><strong>Mercantile</strong></td>
</tr>
<tr>
<td>- Cafeteria, Dining Area (a)</td>
<td>- Automobile Showrooms</td>
</tr>
<tr>
<td>- Chapel</td>
<td>- Checkout/Cash Wrap</td>
</tr>
<tr>
<td>- Commissary</td>
<td>- Food Service</td>
</tr>
<tr>
<td>- Critical/Intensive Care</td>
<td>- Frozen Food</td>
</tr>
<tr>
<td>- Dialysis II</td>
<td>- Indoor Mall Common Areas</td>
</tr>
<tr>
<td>- Dry Physical Therapy</td>
<td>- Produce Area</td>
</tr>
<tr>
<td>- Elevators</td>
<td>- Sales Floor – Department Stores</td>
</tr>
<tr>
<td>- Emergency Room Areas</td>
<td>- Sales Floor – Grocery</td>
</tr>
<tr>
<td>- Exam Procedure Rooms</td>
<td>- Sales Floor – Mass merchand</td>
</tr>
<tr>
<td>- Gift Shop</td>
<td>- Specialty Shops/Areas</td>
</tr>
<tr>
<td>- Hydro/Psy/Physical Therapy</td>
<td>- Office</td>
</tr>
<tr>
<td>- N (3)</td>
<td>- Computer Room</td>
</tr>
<tr>
<td>- Labor Delivery Rooms</td>
<td>- Elevators</td>
</tr>
<tr>
<td>- Laboratories</td>
<td>- Lobbies</td>
</tr>
<tr>
<td>- Restrooms</td>
<td>- Lobby</td>
</tr>
<tr>
<td>- Office/Division/Conf. Rooms</td>
<td>- Lunchrooms (a)</td>
</tr>
<tr>
<td>- Operating Rooms</td>
<td>- Office/Conference Rooms</td>
</tr>
<tr>
<td>- N (1)</td>
<td>- Pharmacy</td>
</tr>
<tr>
<td>- Patient Rooms</td>
<td>- Pharmacy</td>
</tr>
<tr>
<td>- Pharmacy</td>
<td>- Ramps/Ramped Corridors (Dry)</td>
</tr>
<tr>
<td>- Ramps/Ramped Corridors (Dry)</td>
<td>- Showers/Shower Rooms</td>
</tr>
<tr>
<td>- R (3)</td>
<td>- Stairs/Landings</td>
</tr>
<tr>
<td>- Stairways/Landings</td>
<td>- Staff Lounge</td>
</tr>
<tr>
<td>- Staff Lounge</td>
<td>- Utility/Storage Rooms</td>
</tr>
<tr>
<td>- Utility/Storage Room/Foyer</td>
<td>- Waiting Rooms</td>
</tr>
<tr>
<td>- Waiting Rooms</td>
<td>- Vestibule/Foyer/Patios</td>
</tr>
</tbody>
</table>

| **Assisted Living/Military Housing/Light Commercial** | |
| Activity Rooms/Convenient Areas | |
| - Beauty Salon/Barber Shop | |
| - Commissary | |
| - Coronary Areas | |
| - Ding Area | |
| - Doctor/Dental Office | |
| - Emergency Rooms | |
| - Equipment Rooms | |
| - Food Service Area (a) | |
| - Gurney | |
| - Health Care/Hospital | |
| - Highway | |
| - Laboratory | |
| - Laboratory | |
| - Laundry | |
| - Laundry | |
| - Library | |
| - Library | |
| - Locker Rooms (No Spikes) | |
| - Multipurpose Room/Cafeteria | |
| - Office/Division/Conf. Rooms | |
| - Ramps/Ramped Corridors (Dry) | |
| - Showers/Shower Rooms | |
| - Stairways/Landings | |
| - Staff Lounge | |
| - Utility | |
| - Vestibule | |

### Notes:
- The ratings of H, R, or N are based on an evaluation of the performance, cost and aesthetic requirements of the space.
- The numerical footnotes apply to the space requirements.
- Alpha footnotes apply to the product's suitability for the space.

### Additional to spaces listed on this chart:
- Armstrong floors may be used on stair steps, risers and landings. A manufactured slip-redundant flooring should always be applied on steps.
- Armstrong floors should not be used for exterior use, for interior spaces where pointed spike golf or track shoes will be used, or in areas where the floor will be subjected to unusually concentrated static or dynamic loads.
- Armstrong floors should not be used as wall covering or wall surfacing.

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Material
A composition of polyester resin, limestone and pigments.

Construction and Colors
Color and pattern detail are dispersed uniformly throughout the thickness of the material. Color pigments are insoluble in water and resistant to cleaning agents and light.

Size
12 in. x 12 in. (305 mm x 305 mm) tile

Gauge (nominal thickness)
1/8 in. (3.2 mm)

Limitations
MIGRATIONS™ should not be used in the following areas:
- Hospital operating rooms
- Heavy industrial and exterior areas
- Commercial kitchens and commercial food processing areas
- Where pointed spurs such as golf or track shoes will be used
- Where the floor will be subjected to unusually concentrated static or dynamic loads.

NOTE: Concentrated static and dynamic loads such as hospital beds, roll-out bleachers, portable ice-machine, etc., may visibly damage resilient as well as other types of floor coverings. For questions regarding product suitability and installation instructions for floor preparation and installation in these applications, please contact Armstrong.

Suitable for Application Over
- Concrete, terrazzo, and other dry, structurally sound substrates.
- Non-porous, impervious solid concrete having a compressive strength of less than 3500 psi (24 Mpa)
- Non-porous, impervious solid concrete with a compressive strength of more than 3500 psi (24 Mpa). Concretes with high water absorption shall have a maximum water absorption of 5%.

Unsuitable for Application Over
- Saturated wood substrates that have been sealed with a penetrating sealer or that have any liquid film on the surface.
- Suspended wood subfloor construction with approved wood underlayment.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Subfloors/underlayment shall be dry, clean, and smooth. When testing for alkalinity, the allowable readings shall be five to nine on the pH scale.

Technical Data

Material

- MIGRATIONS™ wt %
  - Polyester Resin: 12.4
  - Limestone: 8.1
  - Calcium Sulfate: 27.7
  - Pigments: 42.7
  - Other: 0

- MIGRATIONS™ with BioStride™ wt %
  - Polyester Resin: 12.4
  - Limestone: 8.1
  - Calcium Sulfate: 27.7
  - Pigments: 42.7
  - Other: 0

- Armstrong S-485 Floor Cleaner – carefully wiping up black/gray, sticky, or oily material

NOTE: Concentrated static and dynamic loads such as hospital beds, roll-out bleachers, portable ice-machine, etc., may visibly damage resilient as well as other types of floor coverings. For questions regarding product suitability and installation instructions for floor preparation and installation in these applications, please contact Armstrong.

Subfloor

- Terrazzo
- Marble, Sizing
- Metal
- Existing Floor

Gloss (typical value)
60 degrees specular: 5-18

Reference Specifications
ASTM F 1088, Class 2 – through pattern.

Meets the requirements for size, squareness, thickness, indentation, impact, deflection, resistance to chemicals and resistance to heat.

NOTE: As MIGRATIONS® unique binder system does not contain polyvinyl chloride, resins, plasticizers or stabilizers, it does not meet the F 1088 specification’s Materials requirements.

Static Load Limit
ASTM F 910
250 lbs./sq. ft. (17.6 kg/m²)

NOTE: Floors should be protected from sharp-pointed loads and heavy static loads. High-weigh traffic (1000 psi [6.9 Mpa] or more) may visibly damage wood, resilient and other floor coverings.

Comparative Subjective Property Ratings

- Durability – Good
- Maintainability – Good
- Resilience – Good

Subjective ratings (excellent, very good, good, fair) are in relation to other Armstrong commercial resilient floors. Ratings are not directly related to any test. They are broadly based on tests and experience of Armstrong Research and Development under varying conditions and circumstances. These ratings should not be used for comparison to ratings used by other manufacturers to rate their own products.

Fire Test Data
ASTM E 648 Floorboarding Panel Critical Radiant Flux – 0.45 w/sq.m or more – Class I

ASTM E 682 Smoke Chamber Specific Optical Smoke Density – 450 or less

Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.

Installation

Job Conditions
Subfloor preparations shall be dry, clean, and smooth.

- They shall be free from paint, varnish, solvents, wax, oil, existing adhesive residue, or other foreign matter.
- For more detailed requirements of concrete, wood and metal substrates, as well as wood and troweled underlayments, refer to Armstrong Installation/Maintenance Tip Sheet, F-7903.

- Calcium Chloride Tests for moisture must be conducted. Armstrong offers a guideline of a maximum acceptable moisture emission level of 5.5 lbs./1000 sq. ft. 24 hours. Bond Tests should also be conducted for compatibility with the substrate. When testing for alkalinity, the allowable readings for the installation of Armstrong flooring are 5 to 9 on the pH scale.

- Temperature shall be maintained at a minimum of 55°F (13°C) and a maximum of 75°F (24°C) for 48 hours prior to installation, during installation and 48 hours after completion. A minimum temperature of 55°F (13°C) shall be maintained thereafter. Condition all flooring materials and adhesives to room temperature at least 48 hours prior to starting installation. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances.

Procedure

MIGRATIONS™ should be installed with the following adhesives:

- Armstrong S-485 Floor Cleaner – carefully wiping up black/gray, sticky, or oily material

- Armstrong F-7902-108

- Armstrong F-7903

Detailed instructions may be found in the Armstrong Guaranteed Installation Systems Manual, F-2001.

Specification Data

MIGRATIONS™ with BioStride™


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