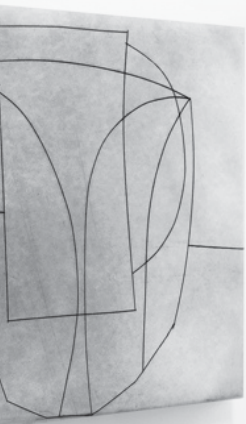


Inspiring Great Spaces®

Armstrong®
FLOORING



BIO-FLOORING

STRIATIONS BBT™
MIGRATIONS® BBT™



Striations BBT™
T3610 haze, T3608 warm gray

Migrations® BBT™
T3519 washed indigo

A High-Performing Alternative to PVC Tile Flooring

To help customers create sustainable environments that are beautiful and productive, our innovative bio-flooring continues to reinforce Armstrong Flooring as a leader in advancing sustainability. Our modular bio-flooring products enhance both design quality and performance in all environments where sustainable strategies are critical factors in overall design intent.

Striations BBT™ bio-flooring is ideal for K-12 and higher education buildings, retail spaces, and corporations working toward sustainable, modular design solutions. The tonal striated pattern creates a “seamless” visual with a palette focused on beautiful neutrals that coordinate with the complete portfolio of Armstrong Flooring products.

Migrations® BBT™ bio-flooring addresses the need for sustainable design strategies in schools and universities, healthcare and assisted living facilities, auditoriums, gymnasiums, and other public spaces that address occupant and community health through environmental responsibility. Migrations patterns, vibrant colors, and soothing neutrals coordinate with Excelon® VCT and other products from Armstrong Flooring.



Striations BBT™
T3614 bisque



Size Options

- Striations BBT™ offers a unique new 12 in. x 24 in. tile and Migrations® BBT™ offers a standard 12 in. x 12 in. tile size

Enhanced Range of Environmental Benefits

- BioBased, non-PVC formulation throughout tile
- Contains patent-pending BioStride® polymer made with 2% rapidly renewable material (corn)
- 40% pre-consumer recycled content
- Low VOC Emissions: FloorScore™ certified, meets the requirements of CDPH Standard Method V1.1-2010, compliant with LEED® EQ Credit 4.3
- Composed of 85% North American limestone, an abundant natural resource
- Earned NSF/ANSI 332 Gold Certification
- Third-party certified product-specific Environment Product Declaration (EPD) contributes to LEED v4



Striations BBT™

T3611 mushroom, T3612 stardust

Migrations® BBT™

T3500 basalt black

Striations BBT™ Bio-Flooring



T3601 atmosphere
12 in. x 24 in.



T3602 steel
12 in. x 24 in.



T3603 twilight
12 in. x 24 in.



T3604 midnight
12 in. x 24 in.



T3610 haze
12 in. x 24 in.



T3611 mushroom
12 in. x 24 in.



T3612 stardust
12 in. x 24 in.



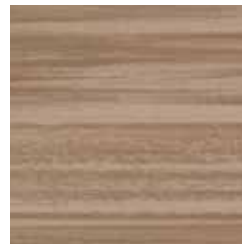
T3613 java
12 in. x 24 in.



T3614 bisque
12 in. x 24 in.



T3615 honey
12 in. x 24 in.



T3616 tea time
12 in. x 24 in.



T3617 forest floor
12 in. x 24 in.



T3608 warm gray
12 in. x 24 in.



T3609 malted milk
12 in. x 24 in.



T3600 azure
12 in. x 24 in.



T3606 green earth
12 in. x 24 in.



T3607 saddle
12 in. x 24 in.



T3605 sunshine
12 in. x 24 in.



Striations BBT™
T3600 azure, T3603 twilight

Migrations® BBT™ Bio-Flooring



T3504 12 in. x 12 in.
ice white



T3511 12 in. x 12 in.
quartz white



T3512 12 in. x 12 in.
sandy beige



T3515 12 in. x 12 in.
straw yellow



T3505 12 in. x 12 in.
powder gray



T3510 12 in. x 12 in.
natural beige



T3513 12 in. x 12 in.
golden sands



T3516 12 in. x 12 in.
spiced orange



T3506 12 in. x 12 in.
glacier gray



T3503 12 in. x 12 in.
ashen gray



T3514 12 in. x 12 in.
loam brown



T3517 12 in. x 12 in.
pepper red



T3507 12 in. x 12 in.
metal gray



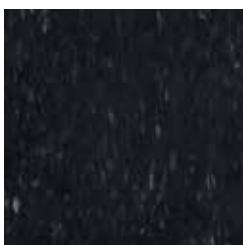
T3502 12 in. x 12 in.
pumice gray



T3509 12 in. x 12 in.
mushroom beige



T3518 12 in. x 12 in.
denim blue



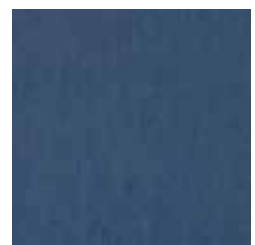
T3500 12 in. x 12 in.
basalt black



T3501 12 in. x 12 in.
platinum gray



T3508 12 in. x 12 in.
bark brown



T3519 12 in. x 12 in.
washed indigo

MIGRATIONS® BBT™ Bio-Flooring



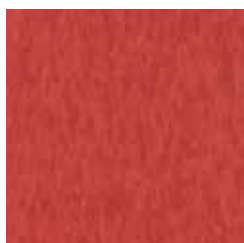
T3522 12 in. x 12 in.
lemon squeeze



T3527 12 in. x 12 in.
green grass



T3523 12 in. x 12 in.
orange peel



T3524 12 in. x 12 in.
red berry



T3525 12 in. x 12 in.
violet grape



T3526 12 in. x 12 in.
blue waters



T3520 12 in. x 12 in.
moss green



T3521 12 in. x 12 in.
summer green



STRIATIONS BBT™ | MIGRATIONS® BBT™ Bio Flooring

Adhesives, Installation and Maintenance

Armstrong Flooring has everything you need to install a floor and take care of it. We also supply the tools and cleaning supplies required to install and take care of your beautiful, durable high-performance floor. Our variety of adhesives, seaming and installation options, backed by the Armstrong Flooring Guaranteed Installation System, along with our portfolio of products, help create a flooring package that gives you a great warranty, backed by the most trusted, reliable name in flooring.



S-525 Bio-flooring Adhesive

High-Moisture: 90% RH, 7lbs. MVER 💧

- High moisture guarantee
- Can also be used over cutback adhesive residue
- Water-resistant when fully cured

Open time: Minimum of 20 minutes or until dry-to-touch

Working time: 24 hours

Spread rate: 275–325 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



S-700 Floor Tile Adhesive Thin Spread

Standard: 80% RH, 5lbs. MVER

- Black asphalt adhesive
- Can also be used over cutback adhesive residue
- Can be used over metal subfloors

Open time: 30+ minutes

Working time: 18 hours

Spread rate: 350–400 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



ADHESIVE OPTIONS (Depends on Substrate)			MOISTURE LIMITS		pH Readings
Wood, Concrete, Ceramic, Terrazzo, Marble	Metal	Existing Resilient Floor	MVER Calcium Chloride Test (lbs./1000 sq. ft./24 hrs.)	Relative Humidity In-Situ Probe	
S-525 High Moisture or S-700	S-700	S-525 High Moisture Tile-On System	5; 7 when using S-525	90% – S-525 80% – S-700	5-9; 5-11 for S-525

MAINTENANCE OPTIONS

Low Maintenance/No Polish Option			Traditional	ARMSTRONG FLOOR CARE PRODUCTS		
Spray Buff	Dry Buff	No Buff	Polish	Cleaners	Sealers	Polishes
			✓	S-485	S-495	S-480



S-485 Commercial Floor Cleaner

- Neutral floor cleaner at normal dilution, 8.5 pH
- High efficiency allows dilution to as low as 64:1
- Low foaming formula is great for automatic floor machines, damp-mopping, and/or moderate to heavy scrubbing
- Won't strip polish
- Pleasant fragrance
- Contains no phosphates

Spread Rate: Cleaners and strippers do not have a spread rate, dilute according to instructions for proper pH level

Options: 1 gallon (4 gal./ctn.), 5 gallon



S-495 Commercial Floor Sealer

- Stain-resistant sealer for porous or well-worn floor surfaces
- Provides an excellent base for S-480 or other commercial floor polishes
- High durability for long lasting protection
- Water-based acrylic emulsion, 7.8 pH
- 16% solids for easy application and excellent leveling
- Semi-permanent for resistance to conventional polish stripping

Spread Rate: 1500–2000 sq. ft. per gallon per coat

Options: 1 gallon (4 gal./ctn.), 5 gallon



S-480 Commercial Floor Polish

- Meets the ASTM D2047 standard for slip-resistance on dry floors
- High durability for long-lasting protection
- Dries bright for areas where buffing is not applicable or desired
- Metal cross-linked acrylic copolymer emulsion polish, 8.5 - 8.75 pH
- 18% solids for easy application and excellent leveling

Spread Rate: 1500 - 2000 sq. ft. gallon per coat depending on the surface characteristics of the floor

Application: Excellent buffing response for spray-buffing repairs or high-speed burnishing programs (up to 2,000 rpm)

Options: 1 gallon (4 gal./ctn.), 5 gallon



BIO-FLOORING

STRIATIONS BBT™ | MIGRATIONS® BBT™

Material

A biobased polyester composition floor tile. Protected by an acrylic factory finish, the colors and pattern detail are dispersed uniformly throughout the thickness of the product. Color pigments are insoluble in water and resistant to cleaning agents and light

Size

Striations BBT™ 12 in. x 24 in. (305 mm x 610 mm) tile
Migrations® BBT™ 12 in. x 12 in. (305 mm x 305 mm) tile

Gauge (nominal thickness)

1/8 in. (3.2 mm)

Limitations

Striations BBT™ and Migrations® BBT™ 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 spikes such as golf or track shoes will be used.

Suitable for Application Over

- Concrete, terrazzo, and other dry, structurally sound monolithic subfloors, which are suspended, on grade, or below grade.
- Suspended wood subfloor construction with approved wood underlayments, and a minimum of 18 in. (45.72 cm) well-ventilated air space below.
- Most metal floors and most existing single-layer resilient floors on approved underlayments.
- Radiant-heated subfloors with a maximum surface temperature of 85° F (29° C).

Unsuitable for Application Over

- Subfloors where excessive moisture or alkali is present.
- Sleeper-constructed wood subfloors, on grade or below grade.
- Lightweight aggregate concrete subfloors having a density of less than 90 lbs. per cu. ft. (1442 kg/m³) or cellular concrete having a plastic (wet) density less than 100 lbs. per cu. ft. (1602 kg/m³) [94 lbs. per cu. ft. (1506 kg/m³) dry weight], or concrete having a compressive strength of less than 3500 psi (24 MPa). Concrete slabs with heavy static and/or dynamic loads should have higher design strengths and densities calculated to accommodate such loads.

Concrete curing agents, sealers, hardeners or parting agents should be removed.

TECHNICAL DATA

Shipping Weight

12 in. x 12 in. – 63 lbs./carton (29 kg)
12 in. x 24 in. – 61 lbs./carton (28 kg)

Packaging

12 in. x 12 in. – Tiles per carton – 45 (45 sq. ft.)
12 in. x 24 in. – Tiles per carton – 22 (44 sq. ft.)

Gloss (typical value)

Striations BBT™: 60 degrees specular: 5-15
Migrations® BBT™: 60 degrees specular: 9-18

International Specifications

ASTM F 2982

Static Load Limit

ASTM F 970
125 lbs./sq. in. (8.79 kg/cm²)

NOTE: Floors should be protected from sharp-point loads and heavy static loads. High-heeled traffic [1000 psi (70.3 kg/cm²) or more] may visibly damage wood, resilient and other floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.

Fire Test Data

ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watts/cm² or more – Class I
ASTM E 662 Smoke Chamber Specific Optical Smoke Density – 450 or less
CAN/ULC S102.2 - Migrations® BBT™ Only
Surface Burning Characteristics of Flooring,
Floor Covering and Miscellaneous Materials and Assemblies.

Flame Spread Rating – 0 / Smoke Developed Classification – 25

INSTALLATION

Job Conditions

Subfloors/underlayments shall be dry, clean and smooth. They shall be free from paint, varnish, solvents, wax, oil, existing adhesive residue, or other foreign matter.

Spray paints, permanent markers and other indelible ink markers must not be used to write on the back of the flooring material or used to mark the concrete slab as they could bleed through, telegraphing up to the surface and permanently staining the flooring material. If these contaminants are present on the substrate, they must be mechanically removed prior to the installation of the flooring material

For more detailed requirements of concrete, wood and metal subfloors, as well as wood and trowelable underlayments, refer to the Armstrong® Guaranteed Installation Systems manual, F-5061, or to the installation instructions at ArmstrongFlooring.com.

Moisture testing must be performed on all concrete slabs regardless of their age or grade level including areas where resilient flooring has already been installed. Moisture Vapor Emission Rate (MVER) using Calcium Chloride (ASTM F1869) and/or percent relative humidity (ASTM F 2170) tests must be conducted. Following are the Armstrong Flooring maximum allowable moisture limits:

- When using S-525 Adhesive, moisture test results shall not exceed a MVER of 7.0 lbs./1000 sq. ft./24 hours per ASTM F 1869 and/or 90% RH per ASTM F 2170.
- When using S-700 Adhesive, moisture test results shall not exceed a MVER of 5.0 lbs./1000 sq. ft./24 hours per ASTM F 1869 and/or 80% RH per ASTM F 2170.

On installations where both the Moisture Vapor Emission Rate and percent internal relative humidity tests are conducted, results for both tests shall comply with the allowable limits listed above.

Before installation, concrete floors should also be tested for pH following procedures in ASTM F 710. When testing for pH, the allowable readings for the installation of Armstrong® flooring are 5-11 when using S-525 and 5-9 when using S-700.

Bond Test should also be conducted for compatibility with the substrate.

Temperature shall be maintained at a minimum of 65° F (18° C) and a maximum of 100° F (38° 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.

Visit ArmstrongFlooring.com for installation instructions.

Adhesive Options

Subfloor	Wood Underlayment	Concrete	Ceramic, Marble, Terrazzo	Metal	Existing Resilient Floor
Adhesive	S-525 S-700	S-525 S-700	S-525 S-700	S-700	S-525 Tile-On System

Detailed instructions may be found at ArmstrongFlooring.com

MAINTENANCE

Striations BBT™ and Migrations® BBT™ are designed to be maintained by traditional resilient flooring maintenance methods, which include the use of polishes, spray-buffing techniques and appropriate high-speed maintenance systems.

Initial Maintenance Immediately Following Installation:

- Sweep or vacuum thoroughly.
- Damp mop with a properly diluted neutral detergent solution such as Armstrong® S-485 Floor Cleaner – carefully wiping up black marks and excessive soil.
- Apply two coats of high quality commercial floor polish such as Armstrong® S-480.
- Do not wash, scrub or strip the floor for at least four days after installation.

For specific, ongoing maintenance procedures visit ArmstrongFlooring.com

LIMITED WARRANTY

Armstrong Flooring warrants its regular (first quality) commercial resilient floors and wall base to be free from manufacturing defects for five years from the date of purchase. Armstrong also warrants the installation integrity of its commercial floor for five years from the date of purchase, if installed according to the installation and maintenance instructions at ArmstrongFlooring.com. This warranty extends only to the original end user. See Armstrong Commercial Floor Warranty, F-3349 or visit ArmstrongFlooring.com for warranty details, limitations and exclusions.

WARNING: EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE, OR OTHER ADHESIVE.

ArmstrongFlooring.com/commercial | 1 888 276 7876



Refer to the 2016 Product Guide (FP7440F4249) for a quick reference on the product performance, design and sustainability icons.