



BIO-FLOORING

# STRIATIONS BBT™ MIGRATIONS™ BBT™

# PVC-Free, Inspired by Nature

While it's not possible to control Mother Nature, it is feasible to draw inspiration from her beauty, emulating the natural world in our product design. And to protect the designs she inspired, we've added another precious gift, Diamond 10® Technology coating, made from cultured diamonds, one of nature's hardest substances.

Striations and Migrations™ BBT™ with Diamond 10 Technology coating deliver the perfect storm: a sustainable flooring solution combining biophilic design, reduced maintenance, and long-term performance.

- ✓ Striations 12 in. x 24 in. and Migrations 12 in. x 12 in. sizes provide design versatility to create modular designs.
- ✓ Seamless coordination among Striations and Migrations collections.
- ✓ Part of Armstrong Flooring Continuum™ Solutions designed for mixing and matching across our portfolio of commercial products.
- ✓ Perfect for a wide variety of applications in K-12 and higher education, retail spaces, healthcare facilities and office spaces.



**Striations BBT™**  
Z3627 dark night

**Migrations™ BBT™**  
Z3528 oz; Z3543 icicle





# 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.

- BioBased, PVC-free formulation
- Made with rapidly renewable material\*, US-grown plant ingredients
- 40% pre-consumer recycled content
- Ortho-Phthalate Free
- Low carbon footprint-main ingredient is 85% North American limestone locally quarried, further reducing carbon footprint
- Low VOC Emissions and FloorScore® certified
- Meets WELL® Building Standards requirements for: Cleanability, VOC Reduction, Toxic Material Reduction, Material Transparency
- Qualifies for CHPS® Durable and Low Maintenance credit
- Third-party certified Environment Product Declaration (EPD)
- Meets requirements of LEED® V4 material credits (Armstrong Product Declaration-APD)
- Recyclable through the On&On™ Floor Recycling Program.

*\*This product contains 2% rapidly renewable material (corn) which can be regenerated annually.*



# Commercial Tile Reinvented

Diamond 10 Technology coating will keep your design looking newer, longer, with lower environmental impacts and maintenance costs than traditional VCT. Save up to 40% on average compared to traditional VCT polished maintenance procedures. Patent-pending Diamond 10 Technology coating improves resistance to scratches, stains and scuffs, and requires less floor polish, reducing the cost of ownership significantly over the life of the floor.

## Reduced Cost of Ownership

Maintain your floors for less money than traditional VCT floor polish maintenance procedures.

- ✓ Reduce or eliminate initial application of floor polish.
- ✓ Reduce or eliminate restorative floor polish stripping and recoating.

## Beautiful Floors, Minimal Prep

- ✓ Maximize gloss levels and create a more uniform overall appearance with as little as three coats of a high-quality commercial floor polish.

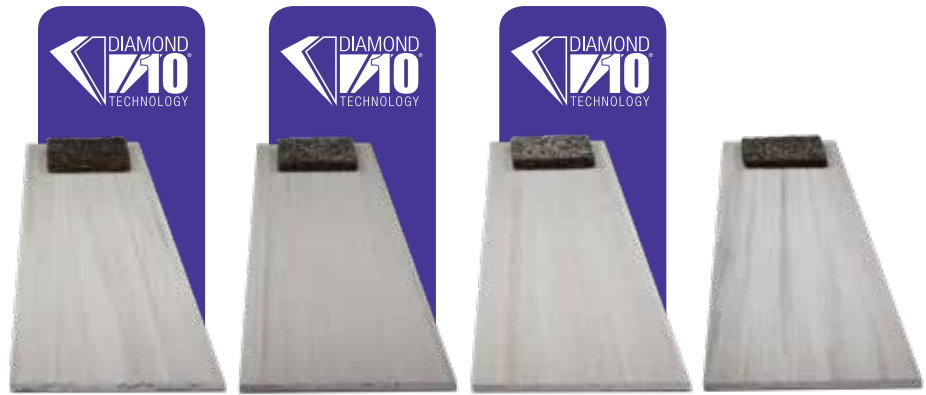


**Striations BBT™**  
Z3601 atmosphere  
**Migrations™ BBT™**  
Z3533 overcast  
**Wall Base**  
23 milk



## SUPERIOR SCRATCH, STAIN AND SCUFF RESISTANCE

BBT with Diamond 10® Technology coating delivers best in category scratch, stain and scuff resistance with reduced cost of polish maintenance over the life of the floor.



BBT - No polish

BBT - 3 coats of polish

BBT - 6 coats of polish

Standard BBT - 3 coats of polish

## SCRATCH RESISTANCE

Each product was scratched using an abrasive pad under a 12.5 lb. load for 20 passes, simulating commercial traffic.



Competitor A

Competitor B

Competitor C

## COMMERCIAL STAINS AND SCUFF

After scratching, samples were stained, wiped with a dry paper towel, and then an alcohol wipe. The samples were also scuffed with a rubber heel and wiped with a dry cloth.



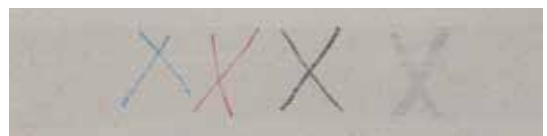
BBT - No polish



Competitor A



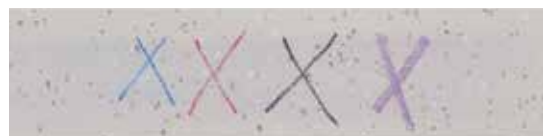
BBT - 3 coats of polish



Competitor B



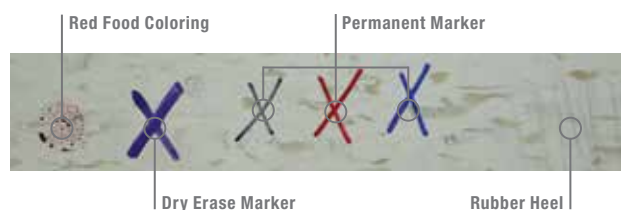
BBT - 6 coats of polish



Competitor C



Standard BBT - 3 coats of polish





**Diamond 10<sup>+</sup> Technology coating—  
cultured diamond-infused coating**

- A protective coating made with cultured diamonds that improves resistance to scratches, stains and scuffs

**Through-Color/Pattern Wear Layer**

- Pattern/color wear performance:
  - High durability
  - Gouge resistance
  - Appearance retention



**Striations BBT™**  
Z3616 tea time  
Z3621 emerald city





# Maintenance Recommendations

BBT with Diamond 10® Technology coating is a reduced maintenance product that will help you save on costly polish maintenance while keeping your floors looking newer longer.

The recommended maintenance procedures for BBT with Diamond 10 Technology coating will depend on the desired appearance and the wear and tear expected on the floor.

Depending on application and traffic, polish maintenance options range from low maintenance to reduced maintenance.

## **High Traffic & Abuse Areas**

Areas that have the heaviest forms of commercial traffic, including rolling loads.

Examples: classrooms, grocery stores, including checkout aisles, and pivot point areas.

- Fifty percent fewer coats required of initial polish.
- Routine periodic maintenance procedures.
- Eliminates or reduces the need to strip the floor.

## **High Foot Traffic**

Busy traffic areas that don't have frequent heavy rolling loads, such as corridors.

- No initial polish.
- Delays the onset of periodic polish maintenance.
- Routine periodic maintenance procedures.
- Eliminates or reduces the need to strip the floor.

## **Moderate Foot Traffic**

- No initial polish.
- Delays the onset of periodic polish maintenance.
- Routine periodic maintenance procedures.
- Eliminates or reduces the need to strip the floor.

## **Low Foot Traffic**

- No initial polish.
- Depending on wear or appearance, polish may be needed.
- Routine periodic maintenance procedures.
- Eliminates or reduces the need to strip the floor.

**BIO-FLOORING**  
**Striations BBT™**



Indicates  
Coordinating  
Wall Base



Z3628 iceberg



12 in. x 24 in.

69

Z3610 haze



12 in. x 24 in.

72

Z3614 bisque



12 in. x 24 in.

65

Z3627 dark night



12 in. x 24 in.

94

Z3601 atmosphere



12 in. x 24 in.

71

Z3619 mocha



12 in. x 24 in.

72

Z3615 honey



12 in. x 24 in.

74

Z3618 banner blue



12 in. x 24 in.

94

Z3633 gray sky



12 in. x 24 in.

52

Z3611 mushroom



12 in. x 24 in.

74

Z3620 croissant



12 in. x 24 in.

16

Z3632 caribbean sea



12 in. x 24 in.

52

Z3608 warm gray



12 in. x 24 in.

20

Z3609 malted milk



12 in. x 24 in.

72

Z3616 tea time



12 in. x 24 in.

74

Z3621 emerald city



12 in. x 24 in.

52

Z3602 steel



12 in. x 24 in.

71

Z3612 stardust



12 in. x 24 in.

64

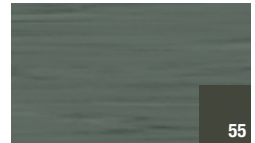
Z3622 sunflower



12 in. x 24 in.

17

Z3623 green leaf



12 in. x 24 in.

55

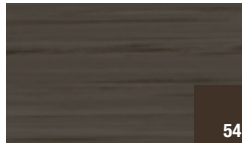
Z3603 twilight



12 in. x 24 in.

61

Z3625 espresso



12 in. x 24 in.

54

Z3626 rust



12 in. x 24 in.

47

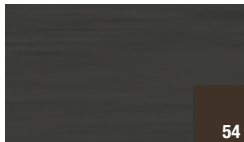
Z3629 rosemary



12 in. x 24 in.

56

Z3604 midnight



12 in. x 24 in.

54

Z3631 jet stream



12 in. x 24 in.

60

Z3624 merlot



12 in. x 24 in.

47



**BIO-FLOORING**  
**Migrations™ BBT™**



Indicates  
Coordinating  
Wall Base



Z3543 icicle



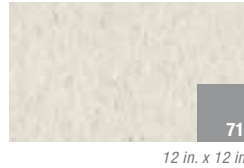
12 in. x 12 in.

Z3537 decaf



12 in. x 12 in.

Z3548 vanilla extract



12 in. x 12 in.

Z3546 shiraz



12 in. x 12 in.

Z3547 hail



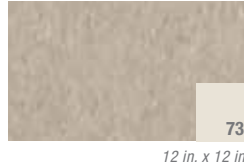
12 in. x 12 in.

Z3538 caffeine



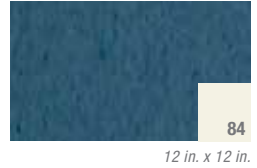
12 in. x 12 in.

Z3536 broth



12 in. x 12 in.

Z3531 emblem



12 in. x 12 in.

Z3534 early evening



12 in. x 12 in.

Z3509 mushroom beige



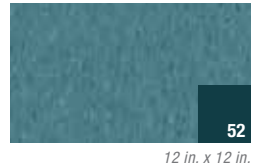
12 in. x 12 in.

Z3535 chowder



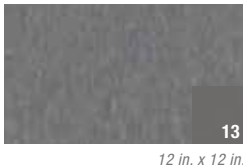
12 in. x 12 in.

Z3529 seaside



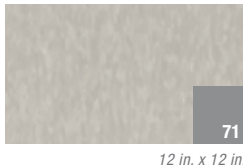
12 in. x 12 in.

Z3542 sleet



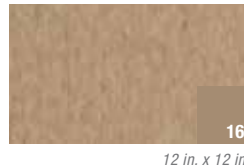
12 in. x 12 in.

Z3503 ashen gray



12 in. x 12 in.

Z3541 almond delight



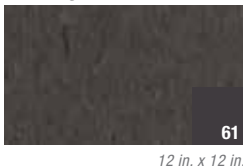
12 in. x 12 in.

Z3528 oz



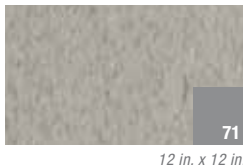
12 in. x 12 in.

Z3540 nightfall



12 in. x 12 in.

Z3533 overcast



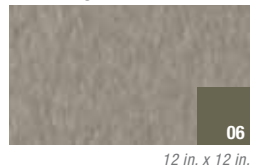
12 in. x 12 in.

Z3545 brunch



12 in. x 12 in.

Z3532 oregano



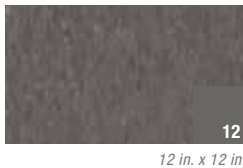
12 in. x 12 in.

Z3500 basalt black



12 in. x 12 in.

Z3539 aluminum



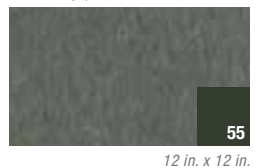
12 in. x 12 in.

Z3544 turtle dove



12 in. x 12 in.

Z3530 lily pad



12 in. x 12 in.



## Completing Your Job

Armstrong Flooring has a solution for all your commercial spaces beyond flooring -- with finishing touches to complete your job -- like Adhesives, Wall Base, Stair Treads, Transition Strips and Maintenance products. Go to [ArmstrongFlooring.com](http://ArmstrongFlooring.com) to view our complete line.

## Flooring Recommendations Guide

Our flooring recommendations can help you quickly identify products designed to work in specific spaces and beyond. Partner with your Armstrong Flooring sales representative as your trusted resource to help you with all the information you need to successfully select and install the right floor for all types of environments, spaces and buildings.

Recommended flooring choice(s) for the space	Striations BBT™, Migrations™ BBT™ with Diamond 10® Technology coating
<b>HEALTHCARE/HOSPITAL ENVIRONMENTS (a)</b>	
CAFETERIA, DINING AREA (c)	●
CHAPEL	●
COMMERCIAL PARKING GARAGE WALKWAY (COVERED)	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
CRITICAL/INTENSIVE CARE	●
DATA WAREHOUSING	
DIALYSIS (d)	●
DRY PHYSICAL THERAPY	●
ELEVATOR	●
EMERGENCY ROOM	●
EXAM/PROCEDURE ROOM	●
GIFT SHOP	●
HYDRO PHYSICAL THERAPY	2
HYPERBARIC ROOM	3
LABOR DELIVERY ROOM	
LABORATORY	●f
LAVATORY	●
LOBBY	●
NURSE'S STATION	●
OFFICE/ADMIN/CONFERENCE ROOM	●
OPERATING ROOM (b)	1
PATIENT ROOM	●
PHARMACY	●
RAMP/RAMPED CORRIDOR (DRY)	2
SCRUB AREA	1
STAIRWAY/LANDING	●
STAFF LOUNGE	●
TELECOM CENTER	
UTILITY/STORAGE/FILING ROOM	●
WAITING ROOM	●
<b>HEALTHCARE/ASSISTED LIVING</b>	
ACTIVITY ROOM/COMMON AREA	●
BEAUTY SALON/BARBER SHOP	●
CORRIDOR	●
MAIN DINING AREAS (c)	●
DOCTOR/DENTIST OFFICE	●
LOBBY	●
RESIDENCE BATHROOM (d)	●
RESIDENCE KITCHEN	●
RESIDENCE ROOM	●

	Striations BBT™, Migrations™ BBT™ with Diamond 10® Technology coating
<b>EDUCATIONAL ENVIRONMENTS</b>	
AUDITORIUM	●
CAFETERIA, DINING AREA (c)	●
CLASSROOM/LECTURE HALL	●
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
COMPUTER REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
DATA WAREHOUSING	
DORMITORY ROOM	●
ELEVATOR	●
ENTRYWAY/FOYER (d)	
FOOD SERVICE AREA (c)	●d
GYMNASIUM	●
LABORATORY	●f
LAVATORY	●
LIBRARY	●
LOCKER ROOM (NO SPIKES)	2
MULTIPURPOSE/CAFETERIUM	●
OFFICE/ADMINISTRATIVE/CONFERENCE ROOM	●
RAMP/RAMPED CORRIDOR (DRY)	2
STAIRWAY/LANDING	●
TEACHER'S LOUNGE	●
TELECOM CENTER	
UTILITY/STORAGE AREA	●
<b>RETAIL/STORE ENVIRONMENTS</b>	
AUTOMOBILE SHOWROOM	●
CHECKOUT/CASH WRAP	●
COMPUTER REPAIR AREA	
ENTRYWAY/FOYER (d)	
FAST FOOD COUNTER (FRONT)	●
FLORAL AREA/GARDEN CENTER	●
FOOD SERVICE (c)	●d
FROZEN FOOD	●
INDOOR MALL COMMON AREA	●
LAUNDROMAT	●
PET SHOP	●
PHOTO PROCESSING	●
PRODUCE AREA	●
SALES FLOOR – DEPARTMENT STORE	●
SALES FLOOR – GROCERY	●
SALES FLOOR – MASS MERCHANT	●





## Flooring Recommendations Guide

● Recommended flooring choice(s) for the space

Striations BBT™, Migrations™ BBT™  
with Diamond 10® Technology coating

CORPORATE ENVIRONMENTS	
CAFETERIA/DINING AREA (c)	●
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
COMPUTER REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
DATA WAREHOUSING	
ELEVATOR	●
ENTRYWAY/FOYER (d)	
LAVATORY	●
LOBBY	●
LUNCHROOM (c)	●
OFFICE/ADMINISTRATION/CONFERENCE ROOM	●
STAIRWAY/LANDING	●
TELECOM CENTER	
UTILITY/STORAGE ROOM	●
HOSPITALITY ENVIRONMENTS	
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
CORRIDOR	●
DANCE FLOOR	●
DINING AREA (c)	●
ELEVATOR	●
ENTRYWAY/FOYER (d)	
EXERCISE ROOM	●
GUEST BATHROOM (d)	●
GUEST ROOM	●
LOBBY	●
LOUNGE	●
STAIRWAY/LANDING	●
VENDING AREA (d)	●

Striations BBT™, Migrations™ BBT™  
with Diamond 10® Technology coating

LIGHT-INDUSTRIAL ENVIRONMENTS (e)	
CLEAN ROOM	
COMPUTER LAB REPAIR AREA	3
COMPUTER TRAINING ROOM (3)	●
DATA WAREHOUSING	
ELECTRONIC TESTING LAB	3
ELECTRONICS MANUFACTURING	3
ENVIRONMENTAL CONDITIONING LAB (g)	
OFFICE/CONFERENCE ROOM	●
PHOTO PROCESSING	●
PRODUCTION LABORATORY	●
RESEARCH LABORATORY	● f
SMALL PARTS ASSEMBLY	● f
STERILE PACKAGING	●
TELECOM CENTER	
MILITARY HOUSING, LIGHT-COMMERCIAL ENVIRONMENTS	
ACTIVITY ROOM/COMMON AREA	●
BEAUTY SALON/BARBER SHOP	●
CORRIDOR	●
DAYCARE AREA	●
DINING AREA (c)	●
DOCTOR/DENTIST OFFICE	●
RESIDENCE BATHROOM (d)	●
RESIDENCE KITCHEN	●
RESIDENCE ROOM/BARRACK	●
PUBLIC ENVIRONMENTS	
OFFICE/RETAIL (AIRPORT/RAILWAY/BUS TERMINAL)	●
OFFICE/MEETING ROOMS (CIVIC/CONVENTION CENTER)	●
MUSEUM/CULTURAL CENTER	●

ADDITION TO SPACES LISTED ON THESE CHARTS: Commercial products from Armstrong Flooring may be used on stairsteps, risers and landings. A manufactured slip-retardant nosing should always be applied on steps. Most commercial sheet floors can be flash coved (integral cove). Most building codes consider flash coving in the same category as baseboard trim with respect to fire rating. Consult applicable codes for the particular project to determine the interpretation of allowable height for flash cove. Commercial products from Armstrong Flooring are not recommended 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. Commercial products from Armstrong Flooring should not be used as wall covering or wall surfacing.

NOTES: Numerical footnotes (1, 2, 3, etc.) apply to the space requirements; Alpha footnotes (a, b, c, etc.) apply to the product's suitability for the space. The numerical and alpha footnotes are consistent across all Flooring Recommendations Guide charts. Depending upon the category, product and space requirements. Some footnotes may not appear.

- (a) In most cases veterinary applications are similar
- (b) Only operating rooms not requiring conductive flooring
- (c) Commercial products from Armstrong Flooring are not recommended for commercial kitchens and commercial food processing areas, including behind fast-food counters
- (d) No standing water, walk-off mats required
- (e) Most commercial products from Armstrong Flooring are not recommended for heavy industrial areas
- (f) Not recommended in laboratories that require special decontamination procedures on surfaces, including floors
- (g) Only homogeneous products are recommended in low-temperature environmental conditioning units NOT below 34° F (10° C)

- (1) Aseptic Area—Hygienic conditions are of critical importance
- (2) Slip Retardant—A more secure walking surface is required for commercial spaces including daycare, beauty salons, and hotel/motel bathrooms
- (3) Not recommended in areas that require electrostatic discharge control



## Resistance to Staining Reagents

We extensively test all of our products in order to determine how our different flooring products will perform in use—and in particular, how the flooring will react to staining reagents. Owners and specifiers know the types of substances that may potentially stain surfaces in their building. This chart is designed to provide owners and specifiers with accurate information about a wide variety of cleaners, disinfectants, foods, beverages, oils, organic solvent and other substances that may be found in buildings and affect the performance of the floor.

### ORGANIC SOLVENTS

Acetone	0
Chloroform	0
Ethyl Acetate	0
Ethyl (Denatured) Alcohol	1,R
Ethyl Ether	0
Ethylene Glycol (Antifreeze)	0
Formaldehyde, 10%	0
Gasoline	0
Isopropyl Alcohol	0
Kerosene	0
Methyl ethyl ketone (M.E.K.)	0
Mineral Spirits	0
Toluene	0
Trichloroethylene	0
Turpentine	0
Xylene	0

### ALKALI (BASES)

Ammonium Hydroxide, 30%	1
Potassium Hydroxide, 15%	1
Sodium Hydroxide, 50%	0

### ACIDS

Acetic Acid, 28%	2,D
Acetic Acid, Glacial	2,D
Hydrochloric Acid, 38%	0
Lactic Acid, 10%	0
Nitric Acid, 15%	3,D
Phosphoric Acid, 85%	1
Sulfuric Acid, 40%	0
Sulfuric Acid, 10%	0

### SALT SOLUTIONS

Calcium Chloride, Sat'd	0
Copper Sulfate, 10%	0
Ferric Chloride, 10%	0
Silver Nitrate, 1%	0

### MEDICAL STAINS & REAGENTS

Aniline Blue, 2.5%	0
Auramine Rhodamine	3
Basic Fuchsin	3
Betadine® Skin Cleanser	1
Betadine® Solution, 10%	1
Bromocresol Green	2
Carbol Fuchsin	3,S,R
Eosin, 1%	0
Gentian Violet, 2%	3
Glutaraldehyde	0
Iodine Tincture	3
Iodine Gram Stain	3
Iodoform, 1%	0
Lugol's Solution	3
Merthiolate Tincture	0
Methylene Blue	1
Picric Acid, 1%	2
Potassium Permanganate, 0.5%	3
Tincture of Benzoin	3,R
Urea Solution	0
Wright's Blood Stain	1

### DISINFECTANTS AND CLEANERS

Ethyl Alcohol-Based Hand Sanitizer, 70%	0
Clorox®	0
Comet® Bathroom Cleaner	0
Hydrogen Peroxide	0
Lysol® Liquid Disinfectant	0

### FOOD SERVICE

Catsup	0
Coffee, Hot Black	0
Cola Drink	0
French Dressing	0
Mustard	3
Red Food Color	2
Red Wine	0
Soy Sauce	0
Spaghetti Sauce	0
Tea, Hot Black	0
Tomato Paste	0

### OFFICE

Ball Pen Ink	2
Carbon Paper Smudge	0
Fountain Pen Ink	0
Lead Pencil	0
Permanent Black Marker	3
Red Crayon	1,R
Red Tempura Paint	0

### OILS

Beef Tallow, Hot	0
Canola Oil	0
Cottonseed Oil	0
Brake Fluid	0,D
Dextron Transmission Fluid	0
Mineral Oil	0
Olive Oil	0
SAE #10 Oil	0
30 wt. Non-Detergent Oil	0
Used Motor Oil	0

### MISCELLANEOUS

Asphalt Driveway Sealer	1
Blue Chalk	1
Black Rit® Dye	1
Eye Shadow	3
Hair Color	1
Lipstick	1
Perfume	0,BI
Red Candle Wax	1
Red Nail Polish	3,R
Shoe Polish, Liquid Brown	1
Shoe Polish, Paste Brown	3

0: No Stain; 1: Slight; 2: Moderate;  
3: Severe; BI: Bleaching; D: Dulling;  
S: Softening; R: Reagent left a residue

Samples were tested as manufactured (no additional surface treatments). All samples were exposed to reagents for four hours (uncovered), then cleaned with a neutral commercial cleaner and cotton cloth. A key for interpreting results is found above. It is important to note that in some cases residual stain, residues and surface dulling may be further reduced or eliminated with different or more aggressive cleaning procedures and or cleaning agents than the common method used for this multi-product comparison. For further details on appropriate cleaning methods and care for specific products, please consult the care and maintenance guidelines for the specific product at [ArmstrongFlooring.com/commercial](http://ArmstrongFlooring.com/commercial).

## National Average Installed Cost

Prices are approximations only. Actual prices will vary based on job conditions and local labor cost. Estimated prices include material and labor figured on a 500 sq. ft. (46.45 m<sup>2</sup>) open area installation without any specific cuttings or special subfloor preparation.

	Striations BBT™ with Diamond 10® Technology coating	Migrations™ BBT™ with Diamond 10® Technology coating
<b>THICKNESS</b>	1/8 in. (3.2 mm)	1/8 in. (3.2 mm)
<b>US DOLLARS</b>	\$3.90 – \$5.90	\$3.40 – \$4.15
<b>CANADIAN DOLLARS</b>	\$3.45 – \$4.45	\$3.95 – \$4.70





## Light Reflectivity - Why Is It Important

All light reflectivity values listed are based on a percentage system, the higher the percentage (eg. 20-24, 35-39), the higher the light reflectance of the floor. Research indicates reflectance can help drive daylight further into space and reduce reliance on artificial lighting, resulting in reduced electricity usage and costs. Glare from flooring is a characteristic of glossy finishes, not reflectance. Flooring in lighter colors with a matte finish have high reflectance values, but do not add to glare. Flooring with light reflectivity values great than 25% can contribute to the LEED Interior Lighting Credit.

	Striations BBT™ with Diamond 10® Technology coating	Migrations™ BBT™ with Diamond 10® Technology coating
<b>0-9</b>	Z3604, Z3627, Z3631	Z3500, Z3546
<b>10-14</b>	Z3618, Z3621, Z3624, Z3625, Z3626	Z3531, Z3540
<b>15-19</b>	Z3603	Z3528, Z3530, Z3539
<b>20-24</b>	Z3623	Z3529, Z3542, Z3544
<b>25-29</b>	Z3612, Z3616	Z3534, Z3545
<b>30-34</b>	Z3602, Z3608, Z3609, Z3620, Z3632	Z3509, Z3532, Z3538
<b>35-39</b>	Z3629	Z3541, Z3547
<b>40-44</b>	Z3615, Z3619	Z3533, Z3535, Z3537
<b>45-49</b>	Z3611	Z3536
<b>50-54</b>	Z3628	Z3503
<b>55-59</b>	Z3610, Z3614, Z3622, Z3633	—
<b>60-64</b>	Z3601	—
<b>65-69</b>	—	Z3548
<b>70-74</b>	—	Z3543

## Adhesives and Installation

Our adhesives and installation options, backed by the Armstrong Flooring Guaranteed Installation System, help create a flooring package that gives you a great warranty, backed by the most trusted, reliable name in flooring. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for complete installation guidelines.



### S-525 Bio-flooring Adhesive

**High-Moisture:** 90% RH, 7 lbs. 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, 5 lbs. 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)

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



## Adhesives and Installation Cont'd



### S-452 Seal Strong™

- A two part moisture mitigation system designed to create a moisture barrier between concrete and resilient flooring suitable for use up to 100% RH (or 25 lbs CaCl)
- Only one coat required to fully seal a concrete substrate
- Covers approximately 290 sq. ft. per unit
- Shot blasting not required in some instances



**ZERO VOC**

### S-453 Level Strong™

- A self-leveling underlayment designed to work quickly
- High compressive strength of 5800 psi
- Installs up to 1/2" thick without aggregate, or 1" maximum thickness with aggregate
- Ready for foot traffic in approximately 2 hours



**ZERO VOC**

### S-454 Prime Strong™

- Acrylic primer for porous substrates
- Aids in strengthening adhesive bond
- Helps to reduce subfloor porosity and absorbency
- Approved for use with all Armstrong Flooring resilient adhesives



**ZERO VOC**

### S-455 Prime Strong™

- Acrylic primer for non-porous substrates
- Suitable for use over S-452 Seal Strong, existing resilient sheet and more
- Ready for installation in as few as 60 minutes
- Approved for use with all Armstrong Flooring resilient adhesives



**ZERO VOC**

### S-456 Patch Strong™

- A true feather edge
- High performance, flexible patching and smoothing compound with quick drying time
- Easy to apply with smooth trowel skim coat application
- No RH limit for use over concrete
- Suitable for use over S-452 Seal Strong and/or S-453 Level Strong
- No additive needed; easy to mix with water

## Floor Care is Important - Maintenance Options

Our maintenance guidelines can help you protect and improve the appearance of the floor, reducing the effects of wear and abrasion and preserving a fresh look for years. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for complete Maintenance recommendations.



### 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

### MAINTENANCE OPTIONS

Low Maintenance/No Polish Option		Traditional	
Spray Buff	Dry Buff	No Buff	Polish
✓		✓	✓

### ARMSTRONG FLOOR CARE PRODUCTS

Cleaner	Sealer	Polish
S-485	S-495	S-480



**Striations BBT™**  
Z3627 dark night

**Migrations® BBT™**  
Z3528 oz; Z3543 icicle





Inspiring  
Great  
Spaces®

## BIO-FLOORING

# STRIATIONS BBT™ | MIGRATIONS™ BBT™

### Material

A biobased polyester composition floor tile. Protected by a UV-cured, high-performance diamond-infused polyurethane, 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 3000 psi (21 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)

60 degrees specular: 65-75

### 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  
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, visit [ArmstrongFlooring.com](http://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 F2170) 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](http://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](http://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.
- If installed in a high traffic abuse area, apply 50% fewer coats – of a high quality commercial floor polish such as Armstrong® S-480 Floor Cleaner – than would normally be applied to a standard commercial tile floor.
- Do not wash, scrub or strip the floor for at least four days after installation.

For specific, ongoing maintenance procedures visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com)

## LIMITED WARRANTY

Armstrong warrants its regular (first quality) commercial floors to be free from manufacturing defects and warrants the installation integrity for 10 years from the date of purchase, if installed according to the installation and maintenance instructions at [floorexpert.com](http://floorexpert.com). This limited warranty extends only to the original end-user. See Armstrong Flooring Commercial Floor Limited Warranty at [floorexpert.com](http://floorexpert.com) for warranty details, limitations and exclusions.



Striations BBT™  
Z3610 haze  
Migrations™ BBT™  
Z3546 shimmer



[ArmstrongFlooring.com/commercial](http://ArmstrongFlooring.com/commercial) | 1 888 276 7876



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