

PRODUCT SPEC PAGE



Striations BBT™ | Migrations™ BBT™ with Diamond 10® Technology Bio-Flooring

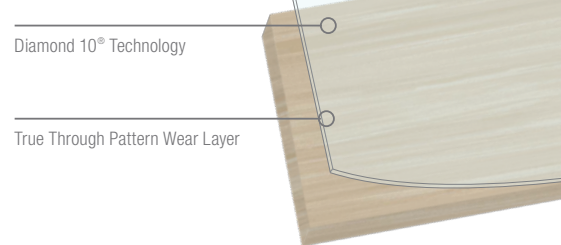
Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance Options*^
Biobased Tile Non-PVC	Striations BBT™ Migrations™ BBT™	ASTM F2982 Polyester composition floor tile Through Pattern	1/8 in. (3.2 mm)	Diamond 10® Technology	Full Spread Adhesives S-525 or S-700	Polish – reduce up to 50% <i>*See Maintenance recommendations to help determine the right option for your project.</i>

Packaging

Tile Sizes	Tiles per Carton / Coverage	Shipping Weight per Carton
Striations BBT 12 in. x 24 in. (305 mm X 610 mm)	12 in. x 24 in. - 22 (44 sq. ft.)	12 in. x 24 in. - 61 lbs. (27.7 kg)
Migrations BBT 12 in. x 12 in. (305 mm X 305 mm)	12 in. x 12 in. - 45 (45 sq. ft.)	12 in. x 12 in. - 63 lbs. (28.5 kg)

Product Structure



Testing

	Performance	Test Method	Requirement	Performance vs. Requirement
ASTM F2982	Thickness	ASTM F 386	Nominal ± 0.005 in.	Meets
	Size	ASTM F 2055	± 0.016 in. per linear foot	Meets
	Squareness	ASTM F 2055	0.010 in. max	Meets
	Indentation – One Minute	ASTM F 1914	≤ 0.012 in.	Meets
	Indentation – Ten Minutes	ASTM F 1914	≤ 0.015 in.	Meets
	Impact	ASTM F 1265	No cracks beyond limit after 12 drops	Meets
	Deflection	ASTM F 1304	1.0 in. minimum	Meets
	Dimensional Stability	ASTM F 2199	≤ 0.028 in. per linear foot max.	Meets
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets
	Resistance to Light	ASTM F 1515	ΔE not greater than 8.0	Meets
	Resistance to Heat	ASTM F 1514	ΔE not greater than 8.0	Meets
	Static Load Resistance @ 250 psi	ASTM F 970	≤ 0.005 in.	Meets
	Static Load Resistance	ASTM F 970*	≤ 0.005 in.	2000 psi
Additional Testing	Fire Test Data – Flame Spread	STM E 648	0.45 W/cm² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	Fire Test Data – Canada	CAN/ULC S-102.2	Use dependent	Flame Spread - 0 Smoke Developed - 5
	Acoustics	ASTM E2179	Sound transmission reduction	Meets – Delta IIC (ΔIIC) – 6
	ADA Standards for Accessible Design	Chapter 3 Section 302.1	Floor surfaces shall be stable, firm and slip-resistant	Meets
	Static Coefficient of Friction**	ASTM D 2047/UL 410	≥ 0.5	Meets

* Testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance.

** Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.

^ For best results, we recommend that Diamond 10® Technology products are used throughout a single installation. Installations combining Raffia® Stream™ with Diamond 10® Technology, Striations with Diamond 10® Technology and Migrations™ with Diamond 10® Technology and any other standard commercial tile require site specific maintenance instructions and are subject to warranty exclusion. Contact the Armstrong Flooring Techline with any further questions.

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Sustainability

Certification Attribute	Standard	3rd party Certification/Certifier
Low-Emitting Material	CDPH v1.1 (2017) a.k.a CHPS 01350	FloorScore®/SCS
Environmental Product Declaration (EPD)	ISO 14025 ISO 14040	Yes/ASTM International
Low-Emitting Adhesives (S-525, S-700)	CDPH v1.1 (2010) a.k.a CHPS 01350	FloorScore/SCS

Performance	Standard	Requirements	Performance vs. Requirements
TVOC Range	CDPH v1.1 (2017) a.k.a CHPS 01350	<0.5 mg/m³	Meets
Low Emitting Adhesives S-525 S-700	SCAQMD Rule #1168	Less than 50 g/L	S-525 Exceeds – 16 g/L S-700 Exceeds – 0 g/L
Acoustics	ASTM E2179	Sound transmission reduction	Meets – Delta IIC (ΔIIC) – 6
Biobased/Rapidly Renewable	ASTM D6822	Biobased content	Meets – 2% Biobased Content
Materials Ingredients/Transparency	LEED® v4 Option 1/WELL™ Feature 97	Content disclosure to 1000 ppm	Meets (See Armstrong Flooring Product Declaration)
Fundamental Material Safety Toxic Material Reduction	WELL™ Feature 11 and 25	No asbestos, free of lead and phthalates (DEHP, DBP, BBP, DIDP, DNOP)	Meets
Recycled Content	ISO 14021	Contains recycled content	Meets – 40% Pre-consumer
Sourcing of Raw Materials (Option 2)	LEED v4	Extended Producer Responsibility	Meets- Recyclable through Armstrong Flooring On&On™ Flooring Recycling Program

Limited Warranty

10-year Commercial Warranty when installed in strict accordance with the detailed instructions at ArmstrongFlooring.com.

ArmstrongFlooring.com/commercial | 1 888 276 7876

