

PRODUCT SPEC PAGE



PREMIUM EXCELON® Raffia® Stream™ with Diamond 10® Technology Vinyl Composition Tile (VCT)

Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance Options [†]
Vinyl Composition Tile	Raffia® Stream™	ASTM F1066 - Class 2 Through Pattern	1/8 in. (3.2 mm)	Diamond 10® Technology	Full Spread Adhesives S-515 Tile Strong™, S-525, S-700, S-750 & Flip® Spray Adhesive	Polish – reduce up to 50%

Packaging

Tile Size	Tile per Carton/Coverage	Shipping Weight per Carton
12 in. x 24 in. (305 mm x 610 mm)	22 - 44 ft ² (4.08 m ²)	Approx. 63 lbs./carton (28.6 kg)

Product Structure

Diamond 10® Technology –
cultured diamond-infused coating

Through-Color/Pattern
Wear Layer

Testing

	Performance	Test Method	Requirement	Performance vs. Requirement
ASTM F 1066	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	≥ 0.006 in. to ≤ 0.015 in.	Meets
	Indentation @ 115°F	ASTM F 1914	< 0.032 in.	Meets
	Impact	ASTM F 1265	No cracks beyond limit	Meets
	Deflection	ASTM F 1304	1.0 in. minimum	Meets
	Dimensional Stability	ASTM F 2199	≤ 0.024 in. per linear foot	Meets
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets
	Resistance to Heat	ASTM F 1514	ΔE not greater than 8.0	Meets
Additional Testing	Static Load Resistance @ 125 psi	ASTM F 970	≤ 0.005 in.	Meets
	Static Load Resistance	ASTM F 970*	≤ 0.005 in.	2000 psi
	Fire Test Data – Flame Spread	ASTM E 648	0.45 W/cm ² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	Fire Test Data – Canada	CAN\ULC S102.2	Use dependent	Flame Spread - 0 Smoke Developed - 5
	ADA Standards for Accessible Design	ADA Standards for Accessible Design	Floor surfaces shall be stable, firm and slip-resistant	Meets
	Static Coefficient of Friction**	ASTM D2047/ UL 410	≥ 0.5	Meets

* Testing at loads above 125 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 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 Tecline 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	Yes/ASTM International
Low-Emitting Adhesives (S-515, S-525, S-700, S-750, Flip® Spray Adhesive)	CDPH v1.1 (2010) a.k.a CHPS 01350	FloorScore/SCS

Performance	Standard	Requirement	Performance vs. Requirements
TVOC Range	CDPH v1.1 (2017) a.k.a CHPS 01350	<0.5 mg/m³	Meets
Low Emitting Adhesives S-515 S-525 S-700 S-750 Flip® Spray Adhesive	SCAQMD Rule #1168	Less than 50 g/L	S-515 Exceeds – 0 g/L S-525 Exceeds – 16 g/L S-700 Exceeds – 0 g/L S-750 Exceeds – 5 g/L Flip® Exceeds – 0 g/L
Material Ingredients/Transparency	LEED v4 (Option 1) WELL™ Feature 97	Content disclosure to 1000 ppm	Meets (See Armstrong Product Declaration)
Fundamental Material Safety Toxic Materials 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 - 30% Pre-Consumer
Sourcing of Raw Materials	LEED v4	Extended Producer Responsibility	Meets- See Armstrong On & On® Floor Recycling Program

Limited Warranty

10-year Commercial Warranty when installed in accordance with Armstrong Flooring Guaranteed Installation Systems manual, F-5061.

ArmstrongFlooring.com/commercial | 1 888 276 7876



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