

PRODUCT SPEC PAGE

NATURAL CREATIONS® with Diamond10® Technology - ArborArt® | EarthCuts® | Mystix® Luxury Flooring

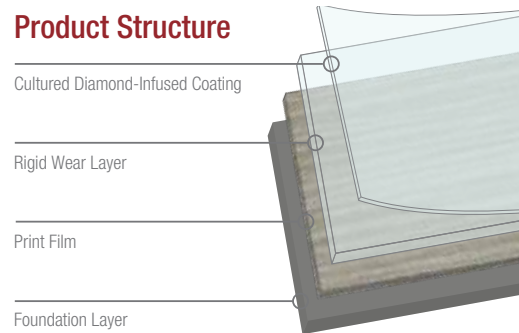
Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance Options
Solid Vinyl Tile (a.k.a. Luxury Vinyl Tile - LVT)	ArborArt® EarthCuts® Mystix®	ASTM F 1700, Class III, Type B embossed surface	0.125 in. (3.2 mm) 0.020 in. (0.5 mm)	Diamond10® Coating	Full Spread Adhesives: S-288 Premium, S-240 Epoxy, S-310 Roll Strong™	No Polish – No Buff Polish

Packaging

Tile Sizes	Tiles per Carton/ Coverage	Shipping Weight per Carton
ArborArt®		
4 in. x 36 in. (101.6 mm x 914.4 mm)	44 – 44 ft² (4.09 m²)	54.45 lbs./carton (24.70 kg)
6 in. x 36 in. (152.4 mm x 914.4 mm)	30 – 45 ft² (4.18 m²)	55.73 lbs./carton (25.28 kg)
6 in. x 48 in. (152.4 mm x 1219.2 mm)	22 – 44 ft² (4.09 m²)	54.50 lbs./carton (24.72 kg)
9 in. x 48 in. (228.6 mm x 1219.2 mm)	15 – 45 ft² (4.18 m²)	55.77 lbs./carton (25.30 kg)
EarthCuts®		
12 in. x 24 in. (304.8 mm x 609.6 mm)	22 – 44 ft² (4.09 m²)	54.53 lbs./carton (24.73 kg)
18 in. x 18 in. (457.2 mm x 457.2 mm)	20 – 45 ft² (4.18 m²)	55.80 lbs./carton (25.31 kg)
18 in. x 36 in. (457.2 mm x 914.4 mm)	10 – 45 ft² (4.18 m²)	55.80 lbs./carton (25.31 kg)
Mystix®		
18 in. x 18 in. (457.2 mm x 457.2 mm)	20 – 45 ft² (4.18 m²)	55.80 lbs./carton (25.31 kg)
18 in. x 36 in. (457.2 mm x 914.4 mm)	10 – 45 ft² (4.18 m²)	55.80 lbs./carton (25.31 kg)
6 in. x 36 in. (152.4 mm x 914.4 mm)	30 – 45 ft² (4.18 m²)	55.73 lbs./carton (25.28 kg)

Product Structure



Testing

	Performance	Test Method	Requirement	Performance vs. Requirement
ASTM F 1700	Thickness	ASTM F 386	Nominal ± 0.005 in.	Meets
	Wear Layer Thickness	ASTM F 410	0.020 in. (0.5 mm) minimum for Commercial Use	Meets
	Size	ASTM F 2421	± 0.016 in. per linear foot	Meets
	Squareness	ASTM F 2421	0.010 in. maximum	Meets
	Residual Indentation	ASTM F 1914	Average less than 8%.	Meets
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets
	Heat Resistance	ASTM F 1514	ΔE < 8	Meets
	Light Resistance	ASTM F 1515	ΔE < 8	Meets
	Static Load Limit	ASTM F 970	≤ 0.005 in.	250 psi
	Dimensional Stability	Internal	≤ 0.018 in. per linear foot MD ≤ 0.012 in. per linear foot AMD	Meets
Additional Testing	Fire Test Data – Flame Spread	ASTM 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 S102.2	Use dependent	Flame Spread - 10 Smoke Developed - 125
	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 D2047 UL 410	≥ 0.5	Meets

* 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.

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Sustainability

Certification Attribute	Standard	3rd party Certification/Certifier
Low Emitting Material	CDPH v1.2 (2017) a.k.a CHPS 01350	FloorScore/SCS
Environmental Product Declaration (Industry EPD)	ISO 14025 and ISO 14040	Yes/ULE

Performance	Standard	Requirements	Performance vs. Requirements
TVOC Range	CDPH v1.2 (2017) a.k.a CHPS 01350	<0.5 mg/m ³	Meets
Recycled Content	ISO 14021	Contains recycled content	29% pre-consumer recycled content
Low Emitting Adhesives S-288 S-240 S-310 Roll Strong™	FloorScore®/SCAQMD	Less than 50 g/L	S-288 Exceeds - 14 g/L S-240 Exceeds - 10 g/L S-310 Roll Strong™ Exceeds - 0 g/L
Material Ingredients/Transparency	LEED v4 (Option 1) WELL™ Feature 97	Content disclosure to 1000 ppm	Meets (See Armstrong Flooring 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

Limited Warranty

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

Links

Product Transparency	www.ArmstrongFlooring.com/transparency
Email Techline	www.ArmstrongFlooring.com/flooring-techline
Visit Floor Expert	www.floorexpert.com
Installation Instructions	www.ArmstrongFlooring.com/flooring-downloads
Maintenance Instructions	www.ArmstrongFlooring.com/flooring-downloads
View Full Line	www.ArmstrongFlooring.com/lvt

