

ArmstrongFlooring™

VINYL COMPOSITION TILE (VCT)

Premium Excelon®  
Feature™ Tile & Strips

Product Information

**Construction** - Vinyl Composition Tile

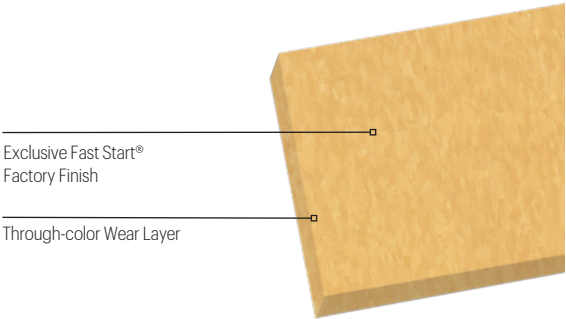
**International Specifications** - ASTM F1066 – Class 1 Solid Tile, ISO 10595 – Type I

**Overall Thickness** - 1/8 in. (3.2 mm)

**Wear Layer Thickness** - 1/8 in. (3.2 mm)

**Factory Finish** - Fast Start®

**Installation** - Adhesives: S-515 Tile Strong, S-319 Roll Strong, S-1000, Flip® Spray



Packaging

Tile Sizes	Tiles per Carton/Coverage	Shipping Weight per Carton
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. (28.6 kg)
2 in x 24 in (50.8 mm x 610 mm)	2 in x 24 in – 24 (8 sq. ft.)	2 in x 24 in – 11 lbs. (4.99 kg)
4 in x 24 in (101.6 mm x 610 mm)	4 in x 24 in – 100 (66.7 sq. ft.)	4 in x 24 in – 88 lbs. (39.9 kg)
6 in x 24 in (152.4 mm x 610 mm)	6 in x 24 in – 50 (50 sq. ft.)	6 in x 24 in – 68 lbs. (30.8 kg)

Testing

ASTM F1066			
Performance	Test Method	Requirement	Performance vs. Requirement
Thickness	ASTM F386	Nominal ±0.005 in.	Meets
Size	ASTM F2055	± 0.016 in. per linear foot	Meets
Squareness	ASTM F2055	0.010 in. maximum	Meets
Indentation – One Minute	ASTM F1914	≥ 0.006 in. to ≤0.015 in.	Meets
Indentation @ 115°F	ASTM F1914	< 0.032 in.	Meets
Impact	ASTM F1265	No cracks beyond limit	Meets
Deflection	ASTM F1304	1.0 in minimum	Meets
Dimensional Stability	ASTM F2199	≤ 0.024 in. per linear foot max.	Meets
Chemical Resistance	ASTM F925	No more than slight change in surface dulling, attack or staining	Meets
Resistance to Heat	ASTM F1514	ΔE < 8.0	Pass, Class 4 Heavy Commercial
Additional Testing			
Static Load Resistance	ASTM F970*	< 0.005 in.	2000 psi
Static Load Resistance @ 125 psi	ASTM F970	< 0.005 in.	Meets
Fire Test Data – Flame Spread	ASTM E648	0.45 W/cm² or more Class 1	Pass
Fire Test Data – Smoke Evolution	ASTM E662	450 or less	Meets
Fire Test Data – Canada	CAN/ULC S-102.2	Use dependent	Flame Spread -0 Smoke Developed - 5
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

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Sustainability

WELL v1 Feature		Feature Tile	Contribution
Air	Feature 04 - VOC Reduction	✓	Tested and third party certified by FloorScore® as complying with CDPH v1.2
	Feature 11 - Fundamental Material Safety	✓	Product is free of asbestos and added lead (Part 1)
	Feature 25 - Toxic Material Reduction	✓	Free of flame retardants (Part 2) and phthalates (Part 3)
Mind	Feature 97 - Material Transparency	✓	Readily available Health Product Declaration® (HPD) to 1000 ppm
	Feature 88 (Part 2) Biophilia I - Qualitative	✓	Products available that incorporate nature patterns
	Feature 99 - Beauty and Design II	✓	Patterns and colors to aid in wayfinding and spatial familiarity (Part 3)

WELL v2 Feature		Feature Tile	Contribution
Materials	Feature X01.1 Material Restrictions	✓	Product is free of asbestos
	Feature X06.1 VOC Restrictions	✓	Adhesives associated with product are tested and third party certified by FloorScore as complying with CDPH v1.2
	Feature X06.2 VOC Restrictions	✓	Flooring is tested and third party certified by FloorScore as complying with CDPH v1.2
	Feature X07.1 Material Transparency	✓	Readily available Health Product Declaration (HPD) to 1000 ppm
	Feature M02.1 Nature and Place	✓	Products available that incorporate nature patterns
Community	Feature C13 (Part 2) Accessibility and Universal Design	✓	Patterns and colors to aid in wayfinding and spatial familiarity

LEED™ v4.1	Feature Tile
BPDO - EPD	Third Party Certified Product Specific
BPDO - Material Ingredient	HPD
BPDO - Sourcing	Recycled Content: 40% Pre-Consumer
Location of Manufacturer	USA
Low Emitting Flooring	Tested and third party certified by FloorScore as complying with CDPH v1.2
Low Emitting Adhesives	Tested and compliant to CDPH v1.2; Methylene Chloride and Perchloroethylene not intentionally added; FloorScore Certified
SCAQMD #1168 Compliant.	S-319 - 0 g/L
Adhesives meet < 50 g/L requirement	S-515 - 0 g/L
	S-1000 - 0.1 g/L
	Flip® Spray - 0 g/L

Carbon Footprint	Feature Tile
Global Warming Potential, including Biogenic Carbon	0.33 Kg CO² eq. / square foot
Raw Materials (A1) through Production (A3)	(3.52 Kg CO² eq. / square meter)

Limited Warranty

5-year Commercial Warranty when installed in strict accordance with the detailed instructions.

Visit ArmstrongFlooring.com

for complete Product, Technical, Adhesives, Installation & Maintenance recommendations.

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\* 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 resilient flooring materials will change the walking surface and consequently the SCOF value.

