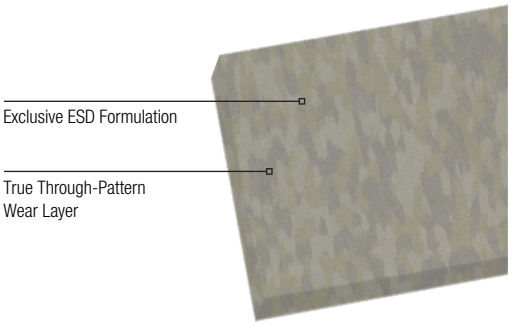
ArmstrongFlooring™

VINYL COMPOSITION TILE

Excelon®SDT™

Product Information

Construction - Vinyl Composition Tile
International Specifications - ASTM F1066 - Class 2 Through Pattern
Overall/Wear Layer Thickness - 1/8 in. (3.2 mm)
Factory Finish - Fast Start®
Installation - Full Spread Adhesives S-202 Static Dissipative Tile Adhesive required
Maintenance Options - Armstrong S-392 Static Dissipative Tile Polish required



Packaging

Size	Tile per Carton/Coverage	Shipping Weight per Carton
12 in. x 12 in. (305 mm x 305 mm)	45 - 45 ft² (4.18 m²)	Approx. 63 lbs./carton (28.6 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 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 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	Meets
Additional Testing			
Resistance*	ANSI / ESD STM 7.1 ASTM F-150	Point to point and point to ground: 106 to 109 ohms	
Resistance in Combination with a Person*	ANSI / ESD STM 97.1	at 12% R.H. w/ Dissipative footwear: 4.48 x 108 ohms (average)	
Static Generation*	ANSI / ESD STM 97.2	at 12% R.H. with Dissipative footwear: 30 volts (average)	
Static Dissipation*	ETS Dissipation Method	at 12% R.H with Dissipative footwear 1000 to 100 volts: 0.2 seconds max.	
Static Load Limit	ASTM F 970	≤ 0.005 in.	75 psi
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 - 0 Smoke Developed - 30
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
Static Coefficient of Friction with S-392 Polish**	ASTM D 2047/UL 410	≥ 0.5	Meets

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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-202	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 Adhesive: S-202	SCAQMD Rule #1168	Less than 50 g/L	Meets
Material Ingredients (Option 1) Materials Transparency (Part1)	LEED v4 WELL Feature 97	Content disclosure to 1000 ppm	Meets (See Armstrong Flooring Product Declaration)
Recycled Content	ISO 14021	Contains recycled content	Meets - 30% Pre-Consumer
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

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

Visit ArmstrongFlooring.com
for complete Product, Technical, Adhesives, Installation & Maintenance recommendations.

*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 routinel used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.