

# PRODUCT SPEC PAGE

## EXCELON® SDT™ Electro-Static Dissipative Tile Vinyl Composition Tile (VCT)

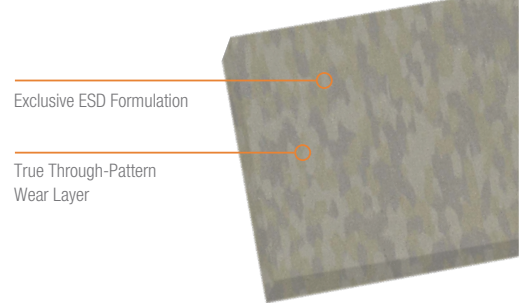
### Product Information

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

### Packaging

Tile Size	Tile per Carton/Coverage	Shipping Weight per Carton
12 in. x 12 in. (305 mm x 305 mm)	45 - 45 ft <sup>2</sup> (4.18 m <sup>2</sup> )	Approx. 63 lbs./carton (28.6 kg)

### Product Structure



### 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 max.	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	Resistance	ANSI / ESD STM 7.1 ASTM F-150	Point to point and point to ground: 10 <sup>6</sup> to 10 <sup>9</sup> ohms
Resistance in Combination with a Person		ANSI / ESD STM 97.1	at 12% R.H. w/ Dissipative footwear: 4.57 x 10 <sup>8</sup> ohms (average)	
Static Generation		ANSI / ESD STM 97.2	at 12% R.H. with Dissipative footwear: 29.3 volts (average)	
Static Dissipation		ETS Dissipation Method	at 12% R.H. with Dissipative footwear 1000 to 100 volts: 0.56 seconds max.	
Static Load Limit		ASTM F 970	≤ 0.005 in.	75 psi
Fire Test Data – Flame Spread		ASTM E 648	0.45 w/cm <sup>2</sup> or more Class I	Meets
Fire Test Data – Smoke Evolution		ASTM E 662	450 or less	Meets
Fire Test Data – Canada		CANULC S102.2	Use dependent	Flame Spread - 0    Smoke Developed - 30
Static Coefficient of Friction*		ASTM D 2047/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 v1.1 (2017) a.k.a CHPS 01350	FloorScore/SCS
Environmental Product Declaration (EPD)	ISO 14025	Yes/ASTM International

Performance	Standard	Requirement	Performance vs. Requirements
TVOC Range	CDPH v1.1 (2017) a.k.a CHPS 01350	<0.5 mg/m <sup>3</sup>	Meets
Low Emitting Adhesive: S-202	SCAQMD Rule #1168	Less than 50 g/L	Meets
Material Ingredients (Option 1)	LEED v4	Content disclosure to 1000 ppm	Meets (See Armstrong Product Declaration)
Recycled Content	ISO 14021	Contains recycled content	Meets - 30% Pre-Consumer

### Limited Warranty

5-year Commercial Warranty when installed in accordance with Armstrong's Guaranteed Installation Systems manual, F-5061.

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