

# PRODUCT SPEC PAGE

## EXCELON® SDT™

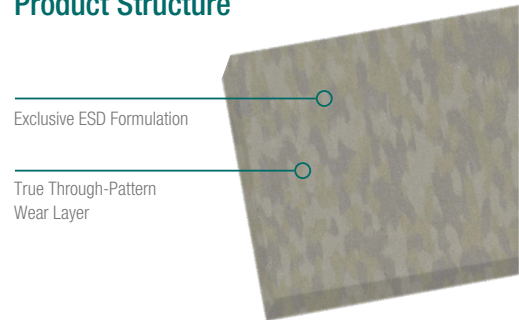
### Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance
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 Tile 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 Testing	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: 4.48 x 10 <sup>8</sup> 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/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
	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	

\* Results for product 3rd party tested when installed as directed with S-202 SDT Adhesive and copper grounding strips; and polished with S-392 Static Dissipative Tile Polish.  
 \*\* Using the James Machine as described in ASTM D2047 and as directed in UL 410 for Floor Covering Materials (FCM) using a leather sensor under dry conditions. Other than Armstrong S-392 Static Dissipative Tile Polish, the application of floor sealers or finishes of any kind during or after installation will change the pedestrian walking surface and, as a result, the Static Coefficient of Friction (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
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 Product Declaration)
Recycled Content	ISO 14021	Contains recycled content	Meets - 30% Pre-Consumer
Sourcing of Raw Materials (Option 2)	LEED v4 Extended Producer Responsibility	Meets	Recyclable through Armstrong Flooring On&On™ Flooring Recycling Program
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 Armstrong's Guaranteed Installation Systems manual, F-5061.

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