



**HawtonFloor®**  
Raised Floor of Innovation

APPLICATION DATA CENTER / COMPUTER ROOM  
HAWTONFLOOR® - 'ANTI-STATIC VINYL FLOORING'

*We are not producing products, we are producing values for you*

## Specification Details

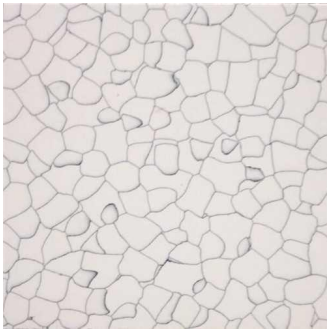
Panel Type HAWTON® Anti-static Vinyl Flooring

### Description of 'Anti-static Vinyl Flooring'

Anti-static vinyl flooring (PVC) forms a special material with a perfect permanent conductivity. The conductivity makes the tile free of dust and easy to clean or maintain. Fire-proof rating FV-0 grade. Durable, waterproof, anti-chemical corrosion. It bears heavy load. Excellent tones and textures. Marbling appearance. Better flexibility. It is comfortable to walk through and hardly damage due to collision.

### Characteristics

- Excellent electrical resistance
- Excellent chemical resistance
- Excellent resistance to scratching
- Easy to clean and maintenance
- Excellent resistance to damp and static load resistance
- Excellent fire resistance
- Excellent resistance to wear and tear
- Excellent resistance to impact
- Good dimensional stability



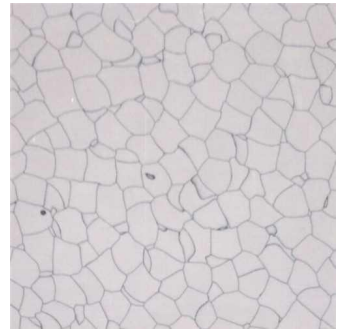
HT-7201



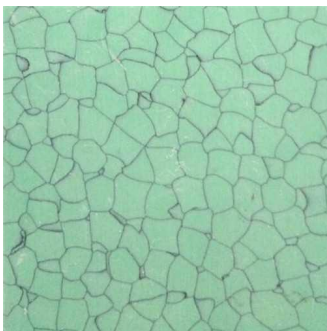
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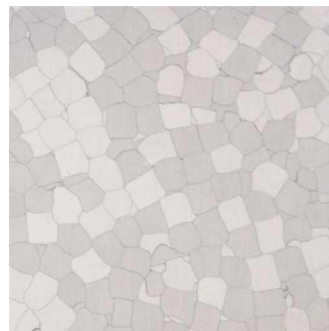
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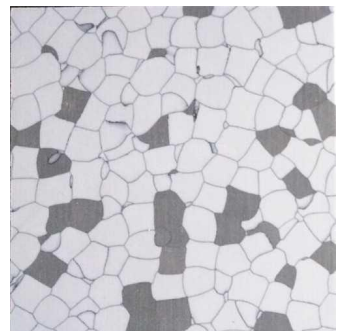
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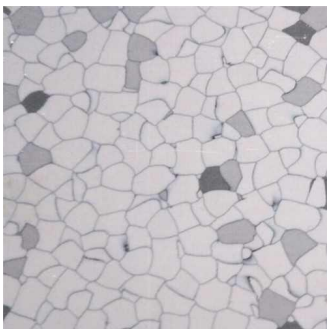
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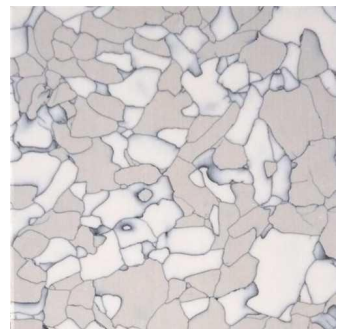
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*For more color and patterns, please contact our sales*

## Test Parameters

	Specification	Test Standard	Anti-static ESD Vinyl Flooring
<b>FLOOR CLASSIFICATION</b>	Type of Floor Covering	EN649	Homogeneous EC / SD Vinyl Flooring
		ASTM F 1700	Class 1 - Type A, Solid Vinyl Tile
		NFPA Life sfty code 101	Class 1 - Interior Floor Finish
		NFPA 99 Standard for health care facility	Meets Standard
	Floor Classification (Wear rating / Static load resistance)	EN 685	Commercial: 34 / Industrial: 43
	No of Color		12
	Cleanroom Classification	Federal Standard 209 E	Meets Class 1 Cleanroom Requirements
	Outgassing: CVCM	ASTM E 594	CVCM 2.65%
<b>PHYSICAL FEATURES</b>	Tile Dimension Size	EN 427 90° Press Cutting	600×600 / 610×610
		ASTM F 536: Size Tolerance (<±0.4mm / 305mm)	< ±0.4mm / 305mm
	Dimensional Stability	EN 434 /FED STD NO. 501a, M 6211	< 0.25%
		ASTM F 540: Square Tolerance (<0.51mm / 305mm)	< 0.51mm / 305mm
	Wear Layer Thickness	EN 429	2.00mm / 3.00mm
	Wear Layer Reinforcement/Glossy Surface Treatment		Heat Surface Melting Coating
	Total Thickness	EN 428	2.00mm / 3.00mm
		ASTM F 386: Thickness Tolerance (±0.13mm)	Meets Standard
	Weight / m2	EN 430	2.00mm: 3.10kg/m2 / 3.00mm: 4.82kg/m2
	Wear Resistance (Abrasion / Thickness Loss)	EN 660-1	< 0.15mm
		EN 649	Group P
		ASTM D 4060 (CS-17 Wheel, 1,000 g, 1,000 cycles)	70mg
	Hardness	ASTM D 2240 (Type D)	67
	Residual indentation	EN 433 / Din 51955	< 0.04mm
ASTM F 1914 (<8%)		< 8%	

	Static Load Limit	ASTM F 970	2.00mm: 1,500lbs/ square inch; Long term, 3.00mm: 2,500lbs/ square inch; Long term
	Flexibility	ASTM F 137	12.7mm mandrel without crack or breaking
	Castors Wheel test	EN 425	No Damage
ELECTRICAL FEATURES	Electrical Resistance	DIN 51953 / EN 1081	EC 5.0×104 < R < 106 / SD 106 < R < 108
		ASTM F 150 / ESD F 7.1 / UL 779	EC 2.5×104~1.0×106 / SD 1.0×106~1.0×109
	Static Generation	EN 1815 / DIN 54 345	< 100 Volt with ESD Wax
		AATCC 134	< 100 Volt with ESD Wax
	Static Decay Time	Mil B 81705C (5Kv to 20v)	< 0.1 Sec with ESD Wax
		EN 100015 (CECC 00015)	< 2.0 Sec with ESD Wax
FTM 101 B Method 4046 (<0.5 Sec)		< 0.01 Sec with ESD Wax	
FIRE RESISTANCE	Reaction to Fire	DIN 4102 / Onorm B3810 / Onorm B3800	B1 (Difficult to ignite)/Q1(Low smoke development)
		BS 476; Part7, 1997	Class 2
		prEN 13501-1	Class BFL S1
		prEN ISO9239-1	0.8 kw/m2
	Critical Radiant Flux	ASTM E 648 / NFPA 253	Class 1 (1.08w/cm2)
	Flame Spread	ASTM E 162 / ASTM E 84 / NFPA 225	NFPA Class B / UBC Class II (<75)
	Smoke Density	ASTM E 662 / NFPA 258	Passed (<450Dme)
	Thermal Conductivity	DIN 52612 / NFX 10021	0.309 w/m.k
	Underfloor Heating	DIN 52612	Suitable - Max 30°C
ASTM F 1514 ( $\Delta E < 8$ ave, max)		< $\Delta E = 8.0$	
CHEMICAL RESISTANCE	Chemical Resistance	EN 423 / DIN 51958	Excellent; Test Report available on request
		ASTM D 543 / ASTM F 925	Excellent; Test Report available on request
SLIP RESISTANCE	Slip Resistance Wet	DIN 51130 / BGR181 (ZH1 / 571)	R9
		ADA Requirements	> 0.6