

**STATICPULSE™**  
ESD Control Vinyl Tile

## Consistent & Stable conductivity Superior Stain-Resistance

STATICPULSE™ ESD Control Vinyl Tile is the ultimate solution to today's technological environments where static electricity is more than the annoying nuisance of a simple shock.

Electrostatic discharges can damage or degrade sensitive electronic components, ignite flammable gases, and cause equipment malfunction.

STATICPULSE™ ESD solves this problem protecting your valuable equipment while still giving the looks and performance you've come to expect from LG Hausys.

## APPLICATIONS

### ■ Clean Rooms

STATICPULSE™ ESD Control Vinyl Tile meets requirements in clean rooms as strict as class 10 based on its high-tech know-how by over 700 research and manufacturing staff. It has no free carbon to contaminate the clean room, and low outgassing emissions and is independent of room temperature and humidity. It is highly suitable for special clean room maintenance techniques, Semiconductor, Microelectronics, Optics, Aerospace, Pharmaceuticals, Biotechnology, etc.

### ■ Access Flooring

STATICPULSE™ ESD Control Vinyl Tile is suitable for use on access flooring. It can easily be perforated without risk of rough edges or the tile cracking or breaking.

Major manufacturers of raised or access flooring are experienced in the use of STATICPULSE™ ESD Control Vinyl Tile.

### ■ Healthcare

STATICPULSE™ ESD Control Vinyl Tile removes static discharge to prevent data errors that may occur with high-tech visual medical equipment such as CT SCAN, MRI, or other sensitive equipment.

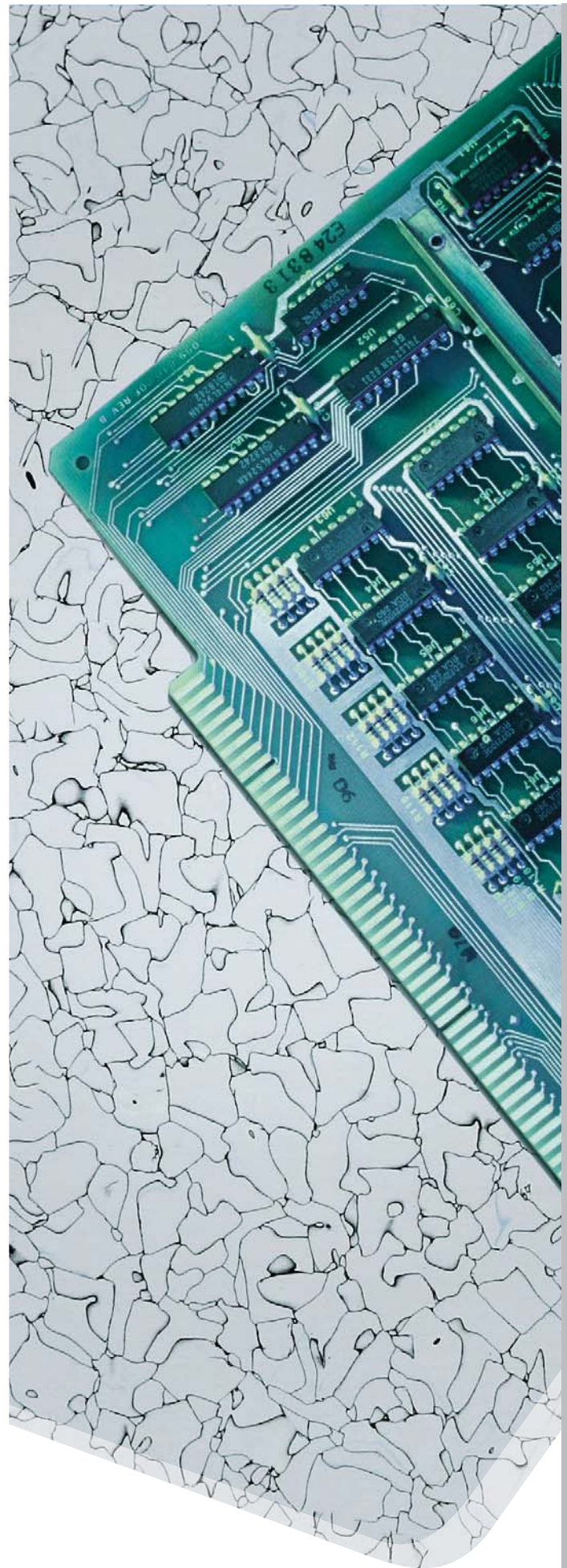
### ■ Electronics Manufacturing Assembly, Test Areas

STATICPULSE™ ESD Control Vinyl Tile is a permanently installed material that helps protect sensitive electronic devices, assemblies, and products from personnel-generated electrostatic discharge.

### ■ Computer and Electronic Equipment and Telecommunications Environments

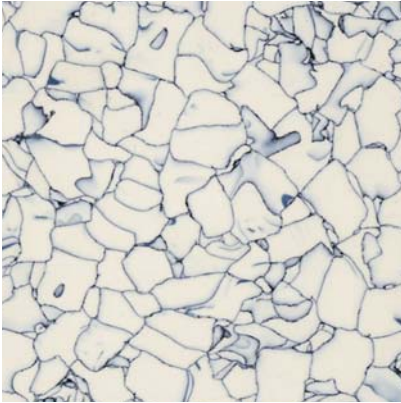
STATICPULSE™ ESD Control Vinyl Tile controls static discharges into computer terminals and other sensitive electronic equipment, thus preventing damage to internal circuitry, incorrect entries or retrieval, loss of computer memory or other malfunction.

It protects large data processing facilities, computerized typesetting and drafting equipment, process control equipment, communications installations, and other static sensitive equipment and instruments.

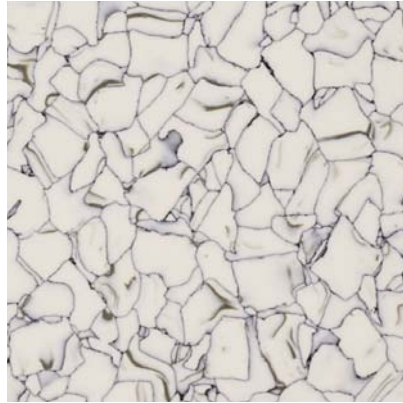


**LG Hausys**  
**floors**

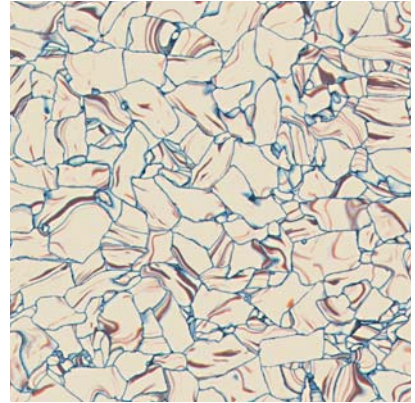




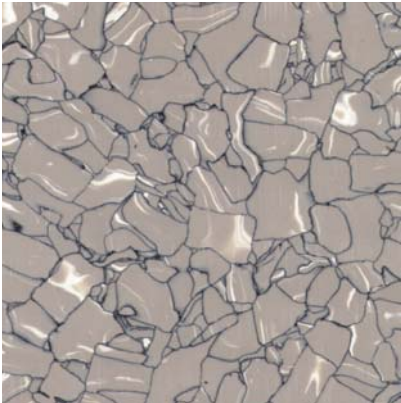
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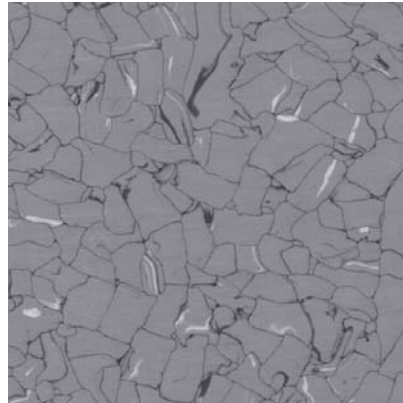
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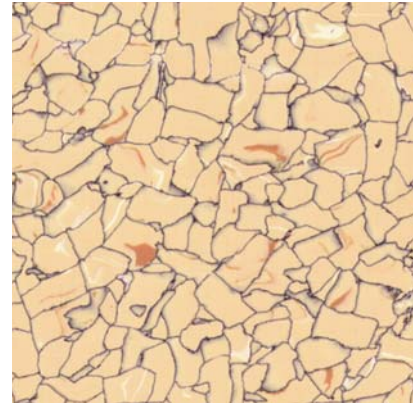
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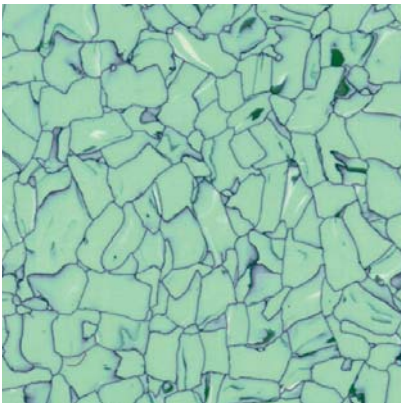
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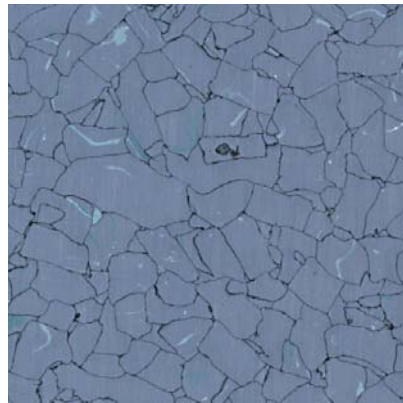
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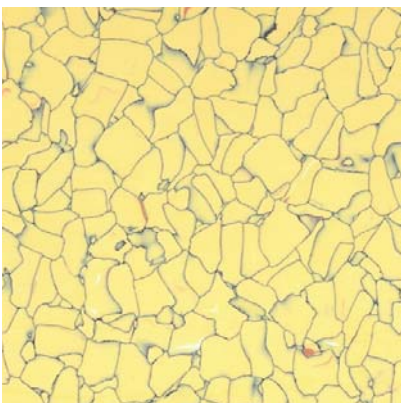
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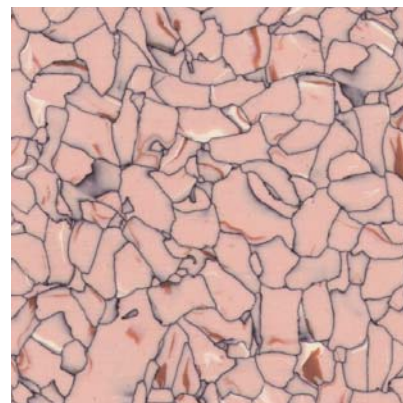
C6091



C6111



C6121

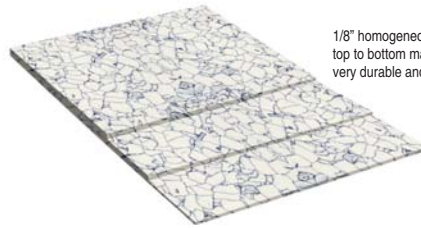


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C6141

• Construction



1/8" homogeneous tile with uniform patterning from top to bottom makes LG Hausys Floors' STATICPULSE™ very durable and easy to maintain.



C6101

• Physical Data

ITEM	Standard test Method	ASTM Spec	Conductive Tile	Static Dissipative Tile
<b>Electrical / Electrostatic Properties</b>				
Electrical Resistance -Surface to Surface	ESD S 7.1 (100V)	$2.5 \times 10^4 \sim 10^6 \Omega$	$2.5 \times 10^4 \sim 10^6$	$10^5 \sim 10^8$
	ASTM F 150 (100V) NFPA 99 (500V)	$2.5 \times 10^4 \sim 10^6 \Omega$	$2.5 \times 10^4 \sim 10^6$	$10^5 \sim 10^8$ (SD : $10^5 \sim 10^9$ )
-Surface to Ground	DIN 51953 (500V)	$< 2.5 \times 10^4 \sim 10^6 \Omega$	$< 2.5 \times 10^4 \sim 10^6 \Omega$	$10^5 \sim 10^8$
Electrostatic Propensity (=Static Generation)	ESD STM 97.2	N/A	Less than 20 volts	Less than 20 volts
Static Decay	Federal Test Method 101B Method 4046 at 15% Relative Humidity	$< 0.5$ sec	0.01 sec	0.01 sec
<b>Other Properties</b>				
CEN Classification	DIN EN 685		Class 34 + 43	
Composition of Material	ASTM F 1700, Certificate of Compliance		Homogeneous	
Thickness	ASTM F 386, DIN EN 428	as specified $\pm 0.005$ in (0.13mm)	1/8", 2mm	
Nominal Sizes	ASTM F 536, DIN EN 427	$\pm 0.01$ in./lin. Ft (0.4 mm/304.8mm)	12 x 12", 24 x 24", 36 x 36"	
Squareness	ASTM F 540	maximum 0.010 in. (0.25 mm)	$< 0.010^\circ$	
Residual Indentation	ASTM F 1914 DIN EN 433	average less than 8% max. single reading 10%	$< 7\%$	
Flexibility	ASTM F 137	no crack or break	No crack or break	
Dimensional Stability	ASTM Fed. Std. No. 501a, Method 6211, DIN EN 434	$< 0.020\%/ft$ (0.51 mm/304.8 mm)	$< 0.015\%/ft$	
Resistance to Chemicals	ASTM F 925 DIN EN 423	No more than a slight change in surface dulling, surface attack, or staining	No more than a slight change in surface dulling, surface attack, or staining	
Resistance to Heat	ASTM F 1514	$\Delta E < 8$ ave., max	$< \Delta E = 2.0$	
Resistance to Light	ASTM F 1515	$\Delta E < 8$ ave., max	$< \Delta E = 2.0$	
Static Load Limit	Modified ASTM F 970-00		2,500 psi	
Smoke Density	ASTM E 662	$< 450$	$< 450$	
Flame Spread	ASTM E 84, NFPA 225	$< 75$	$< 75$	
Fire Resistance	DIN 4102		B1	
Critical Radiant Flux	ASTM F 648, NFPA 253		$> 1.08$ W/cm <sup>2</sup> (class I Interior Floor Finish, NFPA Life Safety Code 101)	
Abrasion Resistance	ASTM D 1044, CS-10-F Wheel, 500Gm Weight		Cycle	% Gauge Loss
			10,000	1.60
Resistance to Wear	DIN EN 660-1		M	
Effect of Castor Chair	DIN EN 425		No damage	
Color Fastness	ISO 105 B02		At least 6	
Standard fo Health	NFPA 99		Confirms to the requirement	
Care Facilities			of NFPA 99 in effect at the time of installation	
Fulfills product requirements	DIN EN 649		Yes	
Underwriters Laboratories	UL 779		Meets UL Standard	