

3M™ Conductive Floor Tile 6400 Series

The 3M Conductive Floor Tile 6400 Series is a long-term solution to controlling electrostatic discharge. This solid vinyl tile is conductive, durable and attractive. It can be installed by competent flooring contractors. The flexible, resilient tiles are made with vinyl and contain a minimum amount of filler and virtually none of the regrind that can make tile brittle. A proprietary manufacturing process seals in the conductive carbon medium, resulting in a unique tile that can be easily cleaned and shined to a gloss while maintaining its electrical properties.



Mechanical Properties	Test Method	Typical Values
Flammability		
Flame Spread Index	ASTM E162/ASTM E84	Meets Class II requirements
Smoke Development	ASTM E84	Meets Class II requirements
Critical Radiant Flux	ASTM E648/NFPA 253	> 1.0 watts/cm ² average
Hardness	ASTM D2240	60 ± 5 Shore D
Flexibility	ASTM F1700	4" mandrel
Abrasion Resistance	ASTM D3389; Taber H22 wheel at 25°C	< 0.300 grams; (weight of tile removed per 1000 cycles)
Color	Spectrodensitometer	White, grey, green, blue, black, reverse blue
Size and Thickness	ASTM F1700	610 x 610 mm; 3.17 mm thick 12" x 12" x 0.125"

Electrical Properties	Test Method	Typical Values
Electrical Resistance	Surface to Ground, ESD S7.1	Conductive 2.5 x 10 ⁴ to 1 x 10 ⁶ ohms
Static Generation	ESD S97.2	Conductive: < 25 volts
Static Decay	Federal TM 101C, Method 4046 @ 15% RH (5000 volts to 0 volts)	Conductive: < 0.01 sec



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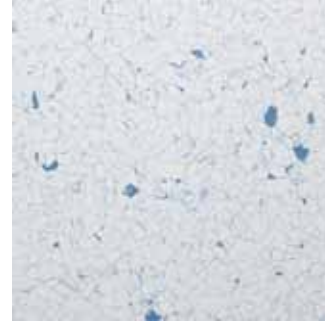
6432 White
98-0798-5769-8



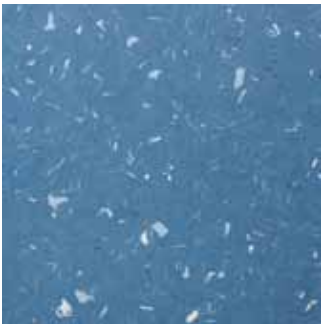
6433 Gray
98-0798-5770-6



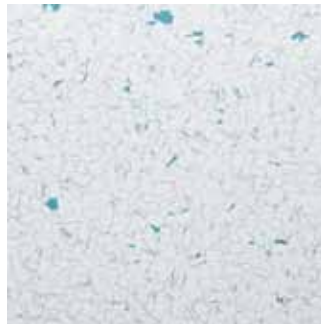
6434 Blue
98-0798-5771-4



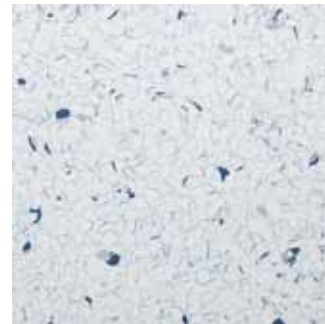
6434R Reverse Blue
98-0798-5774-8



6435 Green
98-0798-5772-2



6437 Black
98-0798-5773-0



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Electronic Solutions Division Static Control Products

926 JR Industrial Drive
Sanford, NC 27332-9733
866-722-3736
www.3Mstatic.com

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