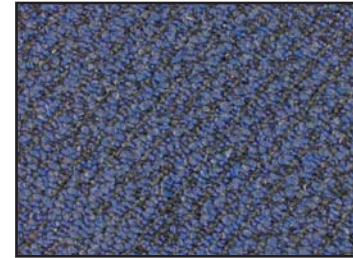


# Statguard<sup>®</sup> ESD Modular Carpet Tiles

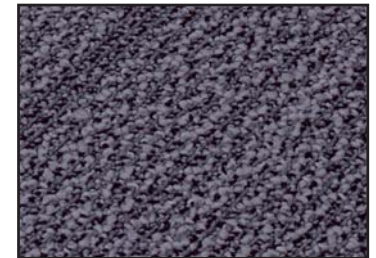
## Description

Statguard<sup>®</sup> ESD Modular Carpet creates an ESD protected flooring and an environment that is quiet, beautiful, and productive which can improve indoor air quality while requiring a fraction of the maintenance needed by other flooring methods. The Statguard<sup>®</sup> ESD Modular Carpet is designed to be low tribocharging (antistatic), and dissipative (able to provide a path-to-ground to remove electrostatic charges). RTT: 10E6 - 10E8 Ohms, per ESD S7.1 meets the minimum recommended technical requirement range of ANSI/ESD S20.20 for ESD floor < 1 x 10E9 ohms. Its paragraph 6.2.2.2 Personnel Grounding Guidance states: "ESD protective flooring, used with approved footwear, may be used as an alternative to the wrist strap system for standing operations."

## Quick-Ship Colors:



Item 81315, Patriot Blue



Item 81320, Slate Grey



Item 81410, Forest Jade



Item 81415, Autumn Sun

ITEM	DESCRIPTION	COLOR/FINISH
81315	Modular Carpet, 17 oz/yd <sup>2</sup> , 50cm Square	Patriot Blue
81320	Modular Carpet, 17 oz/yd <sup>2</sup> , 50cm Square	Slate Grey
81410	Modular Carpet, 17 oz/yd <sup>2</sup> , 61cm Square	Forest Jade
81415	Modular Carpet, 17 oz/yd <sup>2</sup> , 61cm Square	Autumn Sun
81314	Conductive Adhesive, 1 Gallon	Black
81303	Conductive Adhesive, 4 Gallons	Black
81304	Ground Strap, 36" Braided Wire	



## Statguard<sup>®</sup> ESD Modular Carpet Tiles

**STATGUARD FLOORING**

STATGUARD FLOORING  
432 NORTHBORO RD CENTRAL • MARLBORO, MA 01752-3170  
PHONE (508) 481-6849 • FAX (508) 480-0257  
StatguardFlooring.com

**DRAWING NUMBER**  
**TD-81301**

**DATE**  
**12/06**

# Statguard Flooring ESD Modular Carpets - Specifications

Test	Parameters	Results
Electrical Resistance Point to Point (RTT) Point to Ground (RTG)	ESD S7.1	10E6 - 10E8 ohms 10E6 - 10E8 ohms
Floor Materials and Footwear Resistance Measurement	ESD STM 97.1	< 1 x 10E9 ohms
Floor Materials and Footwear Voltage Measurement	ESD STM 97.2	< 100 Volts
Static Decay	NEPF 56M 4046 FTM 101B	< 0.1 Seconds
Flame / Raident Panel	ASTM E 648	> .45 watts/cm <sup>2</sup> , Class 1
Smoke Density	ASTM E 662	< 450 Flaming Mode
Lightfastness	AATCC - 134	> 4.0 @ 60 AFU's

## Product Specifications / Construction Factors:

**Style**  
 Yarn System Computer Grade  
 Yarn System 100 % DuPont Antron® Lumena w/Conductive fiber  
 Dye Method 100 % Solution Dye  
 Soil Stain Protection Protektb® with DuPont Duratech®  
 Antimicrobial (AATCC 138 Washed) (ATTCC 174 Parts 2&3) Intersept®  
 Carpet Protector Statguard®  
 Backing Static dissipative vinyl composite with conductive additive

	US	Metric
Yarn oz / sq. yd	17 oz. / yd. <sup>2</sup>	576.0 g/m <sup>2</sup>
Machine Gauge	1/12	47.2 ends/ 10 cm
Pile Thickness	0.111 in	2.8 mm
Stitches	8 /in.	31.52 ends/10 cm
Pile Density	6194	
Weight Density	105298	
Total Weight	142 oz. / yd. <sup>2</sup>	4815 g/m <sup>2</sup>
Size	19.69 in. x 19.69 in.	50 cm x 50 cm
Construction	Tufted loop	
Total Thickness	0.280 inch:	7.1 mm
20 Tiles per carton	46 lbs per carton class 70	

## Black Conductive Releasable Adhesive:

To be applied with a 1/16" x 1/16" v-notch trowel with a coverage of 15 - 20 sq. yds. / gal. Sold in 4-gallon containers @ 36 pounds per container.

## Grounding Device:

3/8" x 36" braided tin wire strips are included with each container of adhesive. These strips are to be connected to a ground device such as a standard 110-volt outlet.

## Additional testing data available upon request:

- Consumer Product Safety Commission (CPSC) FF 1-70"
- "Aachen" Dimensional Stability Testing
- Specific Optical Density of Smoke Generated by Solid Material - ASTM E662
- Critical Radiant Flux of Floor-Covering Systems - ASTM E648
- Vetterman Drum Test - ASTM D 5417 - 99
- "Burrough's" Electrical Resistance - NFPA 99
- "IBM" Electrical Resistance - NFPA 99

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