

Static Solutions, Inc.

New!

TerraStat™ Static Dissipative Floor Surface Material

Description:



TerraStat™ is a new technology floor covering, rotocured from an industrial grade static ESD dissipative crosslinked elastomer. It is designed for use on floors, under chairs, and also withstands forklift/heavy wheeled traffic up to 850 PSI rolling load. Its electrical properties are volume dissipative unlike many of the surface dissipative properties of the competitors PVC or rubber. This material was developed to conform with the new Class Zero requirements. Our tradition continues !!

TerraStat™ is a chemically cross linked high temperature elastomer with different electrical resistances on both surfaces. Because it is inherently cross linked the TerraStat™ will not delaminate and is volume dissipative. Highly durable elastomer material withstands truck and cart traffic without cracking, peeling, chipping, or curling. The layers are permanently dissipative with “space age dissipative polymers” which will not lose its electrical properties, not exude, and more important will not outgas and contaminate in clean room environments.

Because of its structure the TerraStat™ meets or exceeds both the US S.20.20 and European IEC 613450-5-1 specifications and therefore has outstanding charge dissipation, rapid charge decay, no charge suppression, and outstanding low tribogeneration. The TerraStat™ withstands solvents and molten solder deformation, no curl, and has excellent abrasion resistance. The embossed surface will reduce light glare, and facilitate cleaning. Since the TerraStat™ is free from halogens, lead, arsenic, barium, heavy metals, phthalate plasticizers, vinyl monomers, asbestos, formaldehyde, antimony, chromium, cadmium and other dangerous volatiles the RoHS TerraStat™ floor mat/rolls may be used in environments where outgassing, contamination, S.20.20 electricals, abrasion resistance and no curl is of concern. One ground cord is included with each roll. The mat can be held down with either a double sided tape or conductive /non conductive adhesive. The slip resistance exceeds both ADA and UL guidelines. The TerraStat™ is easy to maintain, never needs conductive wax. Use water or Ohm-Shield™ ES-1759 concentrate to clean. Ohm-Shield™ ESD wax can be used to facilitate dirt removal, prevent dirt buildup and increase gloss. Incredible value. The BEST mat technology on the market today. Request outside independent test data!

PROPERTY

Electricals (10E6-10E8 RTG) LIFETIME WARRANTY

Embossed finish

Color : Gray with white/black speckles .

Thickness: .125 “-.140 “ (3.1-3.5 mm)

Hardness; 85-94 Shore A scale Taber

Width/ length

Decay rate: .05 sec.

Temperature resistance

Chemical resistance

Low abrasion -Taber

UV resistance

Flame retardant

Material-Industrial grade

BENEFIT

Compliant to EOS-S.20.20 std.

No glare, easy cleaning,

Neutral , aesthetically appealing

No curl, lays flat. No tripping

No curl, low abrasion, long life

Width 24’, 48 “ Length 10 ‘,40 feet

Rapid , safe static drain.

Withstand solder temperatures

Withstands solvents.

Durability-chairs, fork lifts, longevity

Color stability over time.

Meets building codes

SBR/nitrile-abrasion resistance

TerraStat™ Static Dissipative Floor Surface Material

Why Choose Static Solutions?

- When quality is critical especially with the new Class Zero concerns.
- When service and creditability are important.
- When satisfaction and quality is important
- When technical support and customer service is important.
- When adequate inventory levels are important
- When a national distributor network and one stop ESD shopping is important
- When you want a company who has introduced more new products and have presented more technical papers at prestigious EOS Symposium call Static Solutions

Then select TerraStat™ or Ultimat™ from Static Solutions



Manufacturing Process

Electrical properties 12% Relative humidity

RTT Resistance between two points

2.1 X 10⁷ ohms @ 10 volts /EOS std S-4
1.3 X 10⁷ ohm @ 100 volts /EOS std S-4
DIN 51953, IEC-61340-2-3

RTT Resistance between two points to ground

6.1 X 10⁷ ohms @ 10 volts /EOS std S-4

5.3 X 10⁷ ohm @ 100 volts /EOS std S-4
DIN 51953, IEC-61340-2-3

Volume Resistivity

After 48 hours @ 12% RH 4.6 X 10⁷ ohm-em.

Decay time

100 volts to 50 volts per
Per FTM 101 C method 4046, EIA 541
Appendix F, EN 100015/DIN 51953

Meets or exceeds A5TM F-150, NFPA-99,
E5D 57.1, UL-779, EN 100015, DIN 51953,
E05 20/20, IEC-61340-5-1

Physical Characteristics

Hardness: 85+ I-5 Shore A per A5TM D-2240

Abrasion Resistance: Taber abrasion
test H-18 wheel (1000 cycles) 500 gram
load.

Surface Texture: Low glare for user
comfort.

Outgassing: Excellent

Chemical Resistance: Withstands
solvent exposure.

Temperature Resistance: Withstands
soldering iron contact

Cleanability: Mild cleaning solution
such as Ohm-Cide, MC-4500, CI-
9001

Width: 24 Inches, 48 inches.

Length: 40 foot roll. Snaps and
ground cords available.

Thickness: .0125-.0140 inches 3.1-
3.5 mm lies flat, no curl

Applications and Uses

- Electronics manufacturing
- Pharmaceutical plants
- Clean rooms
- Computer installation
- Fiber Optics
- Hospitals
- Defense and military
- Chemical processing
- Explosives
- Printing
- Aviation

*For additional Ohm -Stat™,
TerraStat™ product
literature, call or fax
the Static Solutions, Inc. sales
department*

Warranty: Static Solutions, Inc. expressly warrants that for a period of (1) one year from the date of purchase any Static Solutions, Inc. product will be free of defects in materials and will function within its specifications. Within the warranty period, the product will be repaired or replaced at Static Solutions, Inc.'s option with no cost to the customer as long as Static Solutions, Inc. receives notice during the warranty period. Defective products must be shipped prepaid to Static Solutions, Inc.'s factory. Call Static Solutions, Inc. customer service at 978-310-7251 for a return authorization number. Include a copy of the invoice, packing slip, or other proof of purchase

Warranty Exclusion: The foregoing express warranty is made in lieu of other product warranties express and implied, including merchantability and fitness for a particular purpose which are specifically or indirectly disclaimed. The express warranty will not apply to defects or damage due to neglect, misuse, accidents, alterations, operator error, failure to properly maintain, follow instruction, or failure to clean or repair products

Limit of Warranty: In no event will Static Solutions, Inc. or seller be responsible or liable for special, incidental or consequential losses or damages, whether based on tort, contract, or the use of or inability to use, the product. Before using the product users shall determine the suitability of the product for their intended use. The users assume all risk and liability whatsoever in connection therewith. Fulfillment of Static Solutions, Inc.'s warranty obligations will be the customer's exclusive remedy and Static Solutions, Inc. and seller's limit of liability for any breach of warranty or otherwise.

Static Solutions, Inc.

43 Broad Street Building # A103

Hudson, MA 01749

Tel: 978-310-7251

Fax: 978-310-7146

Web: www.staticsolutions.com

E-mail: contactus@staticsolutions.com

**Static Solutions, Inc. only sells through distributors. Please call
us at 978-310-7251 or visit our website @ www.staticsolutions.com
to find your local distributor**

DISTRIBUTED BY:

All-Spec Industries

www.all-spec.com

sales@all-spec.com

PH: 800-537-0351

FX: 800-379-9903