



Description:

Micastat® is a static dissipative high pressure thermoset amino resin laminate. It is designed to provide a path to ground and eliminate static charge generation when used as a worksurface. The surface resistance (<math><1 \times 10^9</math> ohms Rtg) meets ANSI/ESD S20.20 worksurface required limit for contact with ESD susceptible items. The conductive layer of Micastat® laminate is a uniform conductive layer that creates a consistent path-to-ground. Micastat® resists hot solder, most solvents and exceeds NEMA standards for wear resistance.

Electrical Properties:

Because the electrical properties of many high pressure laminates have some degree of humidity dependence, all high pressure laminate materials should be carefully tested for adequate performance at low humidity prior to selection and installation.

Property	Value	Test Method
Rtg:	<math><1 \times 10^9</math> ohms	ANSI/ESD S4.1 and ESD TR53
RVOL:	<math><1 \times 10^8</math> ohms	ASTM-D257
Charge Decay:	<math><0.009</math> seconds	FTMS-101C, Method 4046

Measured at 50% and 12% relative humidity. Test reports available upon request.

Specifications:

- Construction:** High pressure thermoset amino resin laminate
- Thickness:** Nominal 0.038" (0.96mm)
- Colors:*** Beige, Blue, White, Grey
- Top:** Non-glare matte finish.
- Radius:** 1.5" radius corner
- Surface:** Top - non-glare matte finish
- Post Forming:** 5/8" radius, NEMA LD 3.14
- Weight:** 0.31 lbs/sq ft (0.151 grams/cm²)
- Abrasion Resistance:** Exceeds NEMA LD 3-3.01 Standards
- Chemical Resistance:** Unaffected by most solvents
- Heat Resistance:** NEMA LD 3-3.06, 160°F (71°C) continuous

*Color and texture may vary between lots and mills.

Grounding: This material must be properly grounded for optimum electrical performance. See Tech Bulletin [TB-2000](#) for mat grounding instructions.

Cleaning: For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. We suggest using our [Reztore Surface & Mat Cleaner](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

Disclaimer:

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy or completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements or recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized officers of Desco Industries, Inc.

RoHS 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE.

Limited Lifetime Warranty:

Desco warrants for one year that Micastat® dissipative laminate products will be free of defects in materials and workmanship and will guarantee dissipative / conductive laminate properties for the life of the product. Damage to laminate caused by misuse of any kind, including using inappropriate cleaners is not covered by [Desco Limited Warranty](#).



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