



## 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 ( $< 1 \times 10^9$  ohms Rtg) meets the required worksurface limit for contact with ESD susceptible items per EN 61340-5-1. 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:	$< 1 \times 10^9$ ohms	IEC 61340-2-3
RVOL:	$< 1 \times 10^8$ ohms	ASTM-D257
Charge Decay:	$< 0.009$ seconds	FTMS-101C, Method 4046

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

## Specifications:

<b>Construction:</b>	High pressure thermoset amino resin laminate
<b>Thickness:</b>	Nominal 0.96mm
<b>Colour*:</b>	Grey
<b>Surface:</b>	Non-glare matte finish
<b>Post Forming:</b>	15.87mm radius, NEMA LD 3.14
<b>Weight:</b>	0.15 g/cm <sup>2</sup>
<b>Abrasion Resistance:</b>	Exceeds NEMA LD 3-3.01 Standards
<b>Chemical Resistance:</b>	Unaffected by most solvents
<b>Heat Resistance:</b>	NEMA LD 3-3.06, 71°C continuous

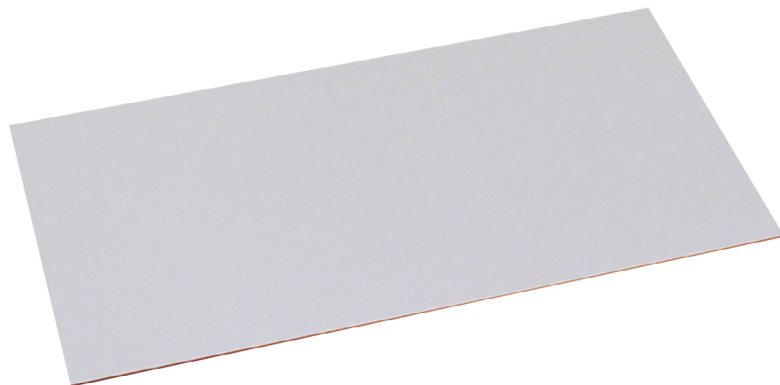
\*Colour and texture may vary between lots and mills.

**Grounding:** This material must be properly grounded for optimal electrical performance. See Technical Bulletin [TB-7047](#) for mat grounding instructions.

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



Made in the  
United States of America



For product listings, [click here](#).

Special sizes available upon request.  
Grounding hardware not included. Micastat® Ground Kits [90202](#) & [210975](#) are recommended.

### 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 authorised officers of Desco Industries Inc.

### RoHS 2, REACH and Conflict Minerals Statement

See [RoHS, REACH and Conflict Minerals Statement](#) at DescoEurope.com.

### Limited Warranty:

See Desco Europe's [Limited Warranty](#) at DescoEurope.com.

### Tolerances:

Width  $\pm 0.64$ mm  
Length  $\pm .064$ mm every 0.3m of running material.  
Thickness  $\pm 10\%$

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Using care, always trim with a sharp knife or razor blade.

Unless otherwise noted, tolerance  $\pm 10\%$

Specifications and procedures subject to change without notice.

## Micastat® Dissipative Laminate

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Drawing Number  
90006.E

DATE:  
March  
2018

# DESCO EUROPE