

Beige, Blue, White, Grey

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](#).

**Tolerance for Kits Only:

Width ± 0.250"
Length ± 0.250"
Thickness ±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.

***Tolerance for Sheets Only:

Published Sheet sizes are oversized typically by ¾" to 1.0" in both width and length directions
Published Dimensions are ± 0.250"

Specifications and procedures subject to change without notice.

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 x 10⁹ 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:	< 1 x 10 ⁹ ohms	ANSI/ESD S4.1 and ESD TR53
RVOL:	< 1 x 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.

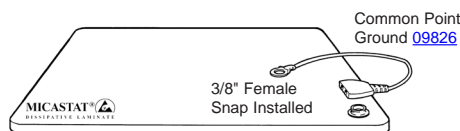
Specifications:

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/cm ²)
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.



Mat Kit

Micastat® Mat Kits - Item Numbers

Color	24" x 48"***	24" x 36"***
Beige	10350	10310
Blue	10384	10344
Grey	10382	10342

Grounding Hardware Included

Special sizes available upon request.
Bottom -- Double sided tape to attach.



Micastat® Sheet

Micastat® Sheets - Item Numbers

Size***	Beige	Blue	White	Grey
30" x 10'	10200	10180	10240	10290
30" x 12'	10202	10181	10242	10291
36" x 8'	10203	10182	10243	10292
36" x 10'	10204	10183	10244	10293
36" x 12'	10206	10184	10246	10294
48" x 8'	10208	10185	10248	10295
48" x 12'	10212	10187	10252	10297
60" x 12'	10215	10190	10255	10300

Special sizes available upon request.

Grounding hardware not included.
Micastat® Ground Kits [14246](#) & [14244](#) are recommended.

DESCO

Micastat® Dissipative Laminate

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MICASTAT
DRAWING 10200

DATE:
July
2013

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Desco:

[10350](#) [10382](#) [10384](#) [10344](#) [10310](#) [10342](#)