

## Description:

The premium choice for ESD bench dissipative worksurfaces. Provides a durable and attractive ESD controlled dissipative worksurface. Resists hot solder and most solvents; exceeds NEMA standards for wear resistance. Conductive layer provides superior charge dissipation and zero voltage suppression.



## 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
Rtt:	$1 \times 10^6$ to $< 1 \times 10^{10}$ ohms	ANSI/ESD S4.1
Rtg:	$1 \times 10^6$ to $< 1 \times 10^{10}$ ohms	ANSI/ESD S4.1
RVOL:	Less than $10^8$ ohms	ASTM-D257
Charge Decay:	<0.009 seconds	FTMS-101C, Method 4046

Measured at 50% and 12% relative humidity. Test reports available upon request. Color and texture may vary between lots and mills.

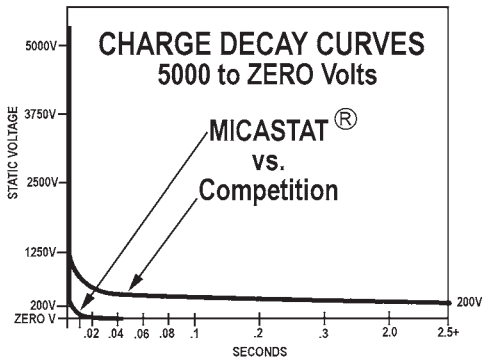
## Specifications:

<b>Construction:</b>	High pressure thermoset amino resin laminate
<b>Thickness:</b>	Nominal 0.038" (0.96mm)
<b>Radius:</b>	1.5" radius corner
<b>Surface:</b>	Top - non-glare matte finish
<b>Post Forming:</b>	5/8" radius, NEMA LD 3.14
<b>Weight:</b>	0.31 lbs/sq ft (0.151 grams/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, 160°F (71°C) continuous

**Look for the Micastat® brand on Desco laminate sheets - for your protection and auditing purposes.**

**Cleaning:** For optimum electrical performance of your ESD worksurface, clean regularly with an ESD mat cleaner. We suggest using Reztore™ Surface & Mat Cleaner, Item #10435 or Static-Wipes Item #10600. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

**Grounding:** This material must be properly grounded for optimal electrical performance. See Laminate Grounding Systems and Technical Bulletin [TB-2091](#) - Micastat® Static protective laminate: Installation and maintenance.



### 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 Warranty:

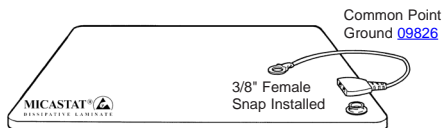
Desco warrants for one year that Micastat® dissipative laminate products will be free of defects in materials and workmanship and will guarantee dissipative / conductive laminate properties for the life of the product. Damage to laminate caused by misuse of any kind, including using inappropriate cleaners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

### Tolerance for Kits only:

Width ± 0.250"  
Length ± 0.250" every 1 linear foot of running material.

### Tolerance for Sheets only:

Published Sheet sizes are oversized typically by 3/4" to 1.0" in both width and length directions  
Published Dimensions are ± 0.250"



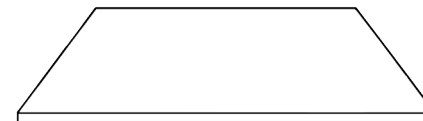
**Bench Pad**

### Micastat® Kits - Item Numbers

Color	24" x 48"	24" x 36"
Beige	<a href="#">10350</a>	<a href="#">10310</a>
Blue	<a href="#">10384</a>	<a href="#">10344</a>
Grey	<a href="#">10382</a>	<a href="#">10342</a>

### Grounding Hardware Included

Special sizes available upon request.  
Top -- non-glare matte finish.  
Bottom -- Double sided tape to attach.



**Micastat® Sheet**

### Micastat® Sheets - Item Numbers

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

Special sizes available upon request.

Top -- non-glare matte finish.

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

Ask for Technical Bulletin [TB-2091](#) for further information.

Specifications and procedures subject to change without notice.

## Micastat® Dissipative Laminate

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)  
PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370

MATERIAL TYPE  
MICASTAT  
DRAWING 10200

DATE:  
June  
2013

# DESCO