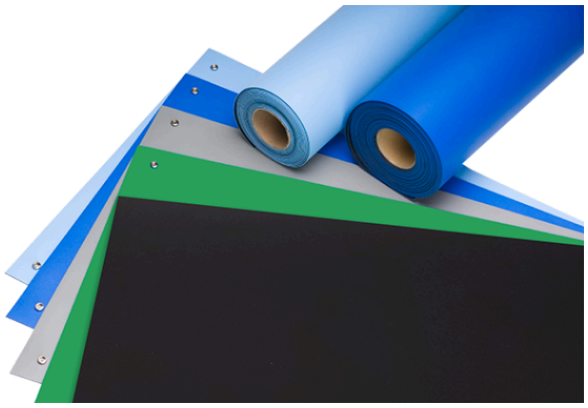
ACL Staticide®



Staticide® Dualmat™

Static Dissipative Work Surface Material

ACL Staticide® Dualmat™ is a static dissipative industrial-grade elastomer designed for use on tables and other grounded workbench surfaces. Developed to conform to the most stringent ESD and lead-free requirements, the electrical properties of Dualmat™ are volume dissipative. Constructed of a chemically cross-linked material with different electrical resistances on each side, Dualmat™ will not delaminate. The material is as durable as rigid laminate and as comfortable and appealing as softer rubber or vinyl. Designed to withstand solvents and solder, the mat will not curl and has excellent abrasion resistance.

Comprised of polymers that will not lose electrical properties or outgas, Dualmat™ is ideal for cleanroom environments and suitable to use with constant monitor systems. Meeting both ANSI/ESD S20.20 and European IEC 61340-5-1 specifications, Dualmat™ has outstanding charge dissipation, rapid charge decay, no charge suppression, and low tribogeneration properties. The embossed surface also helps to reduce glare, prevent part slippage, and facilitate cleaning.

Dualmat™ is available in 40ft rolls, pre-cut mats with two 10mm female snap sockets installed, and can be custom cut to order with cutouts and curves. Rolls come in widths of 24, 30, 36, or 48in. Royal Blue and Dark Gray are available in both .06in/1.5mm and .08"/2mm thicknesses. Contact ACL Staticide® for custom designs to fit all ESD workspaces.

FEATURES:

- **Embossed finish reduces glare and slippage**
- **Two-layer: conductive bottom, dissipative top**
- **Comes in .08" (2mm) thickness**
- **Durable and rigid, no curling**
- **Withstands high temperatures, solder, flux, and harsh chemicals**
- **Top (colored) layer: 10e6 – 10e8 ohms RTT, RTG, Vol R**
- **Bottom (black) layer: less than 5 x 10e5 ohms RTT**
- **No outgassing; UV additives for color stability**
- **RoHS3, REACH complaint**
- **Pre-cut mats include two 10mm female snaps**
- **Mats are cut the in USA**

Maintenance:

To clean mats and maintain dissipative properties, use ACL Staticide® 6001 Mat & Table Top Cleaner. The low alcohol, high surfactant formula provides deep cleaning without damaging the Dualmat™ material.

Pre-Cut Color	Product #	18	24in					30in		36in		Thickness
		13	16	36	48	60	72	60	72	60	72	
Light Blue	8085BM		✓	✓	✓	✓	✓	✓	✓	✓	✓	.08"/2mm
Green	8185GM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	.08"/2mm
Royal Blue	8285RBM		✓	✓	✓	✓	✓	✓	✓	✓	✓	.08"/2mm
Dark Gray	8385DGYM		✓	✓	✓	✓	✓	✓	✓	✓	✓	.08"/2mm
Black	8485BLKM		✓	✓	✓							.08"/2mm

Roll Color	Product #	Width (in)				Roll Length	Thickness
		24	30	36	48		
Light Blue	8085BR	✓	✓	✓	✓	40ft	.08"/2mm
Green	8185GR	✓	✓	✓	✓	40ft	.08"/2mm
Royal Blue	8285RBR	✓	✓	✓	✓	40ft	.08"/2mm
Dark Gray	8385DGYR	✓	✓	✓	✓	40ft	.08"/2mm
Black	8485BLKR	✓	✓	✓		40ft	.08"/2mm

Temperature Exposure:
Normal conditions: -30 - 60°C
Short term high temp: 100°C - 160°C
Vulcanization: 160°C

Ordering Information:
Product codes for custom mats are the product number, width, then height. An **R** at the end of a product number denotes a full roll. For example, 8485BLKR2440 for a 24in wide Black roll, or 8285RBM2436 for a 24x36in Royal Blue mat. Pre-cut 24x16in and 18x13in mat product numbers end in **RE** and are tray liners with rounded edges for use with Staticide® Conductive Trays.

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ACL, Inc. has been certified by DQS Inc. to ISO-9001 : 2015
Certificate NO. 10002746