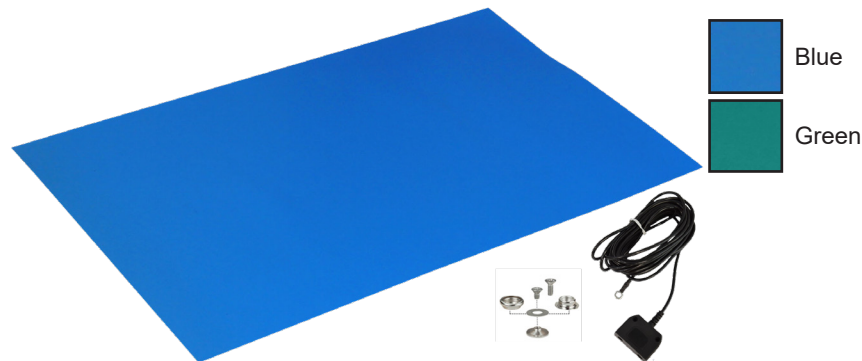


R1 Dissipative Rubber Worksurface Mat

Meets ANSI/ESD S20.20 worksurface required limit tested per ANSI/ESD STM4.1-2017 and ESD TR53. Resistance to solvents, hot solder and soldering irons makes the R1 Dissipative Rubber Worksurface Mat a versatile static-safe worksurface. Electrical performance is accomplished by using a two-layer rubber combination of a static dissipative colored top with a conductive black bottom. Available in rolls, tray liners, and mat kits.



| Properties | Typical Value | Test Method |
|---------------------------|--|---|
| Thickness* | 0.08" (2.0 mm) | |
| Color* | Blue/Black Green/Black | |
| Tensile Strength | 500 PSI | ASTM D882 |
| Elongation @ Break | 300% | ASTM D-412 |
| Decay Time | 0.05 seconds | FTMS 101C 5,000V to 50V Method 4046C |
| Corner Radius | 3/4" (Tray Liners only) | |
| Resistances | | |
| Surface to Ground (Rtg) | < 1 x 10 ⁹ ohms | ANSI/ESD STM4.1-2017, ESD TR53 |
| Surface to Surface (Rtt) | < 1 x 10 ⁹ ohms | ANSI/ESD STM4.1-2017, ESD TR53 |
| Hardness | 60 ± 5 Shore "A" | ASTM-D2240 |
| Tolerance | | |
| Mat Kit | Width +/- 0.250" (6.3 mm) Length +/- 1" (25.4 mm) | |
| Rolls | Width +/- 0.250" (6.3 mm) Length +/- 2" (50.8 mm) | |

Mat Kits Item Numbers

| Size | Blue | Green |
|---------------------------|------------------------|------------------------|
| 24" x 48" (0.6 m x 1.2 m) | 770202 | 770207 |

Table Mat Kits include:

- 1 Table Mat, size as specified
- 1 [LPCGC151M](#) 15' (4.6 m) Ground Cord
- 2 [3049](#) Snap Kit

Mat Roll Item Numbers

| Size | Blue | Green |
|----------------------------|------------------------|------------------------|
| 30" x 50' (0.8 m x 15.2 m) | 770200 | 770205 |
| 36" x 50' (0.9 m x 15.2 m) | 770201 | 770206 |

Includes roll of matting material.

Tray Liner Item Numbers

| Size | Blue | Green |
|---------------------------|------------------------|------------------------|
| 16" x 24" (0.4 m x 0.6 m) | 770203 | 770208 |

Includes matting material only.

Tray Liner W/ Adhesive Tape Item Numbers

| Size | Blue | Green |
|---------------------------|------------------------|------------------------|
| 16" x 24" (0.4 m x 0.6 m) | 770204 | 770209 |

Includes matting material only.

RoHS, REACH, and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement: DescoIndustries.com/ROHS3.aspx

See the SCS Limited Warranty:

StaticControl.DescoIndustries.com/Limited-Warranty.aspx

Grounding: This material must be properly grounded for optimum electrical performance. See [Grounding Cords](#).

Cleaning: For optimum electrical performance, surface must be cleaned regularly using a recommended ESD mat cleaner. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

*Color, texture and thickness may vary between lots and mills.

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

Specifications and procedures subject to change without notice.

R1 DISSIPATIVE RUBBER WORKSURFACE MAT

SCS

**DRAWING
NUMBER**
R1 Series

DATE
June
2023

