

# CADSTAT® 2LBM Static Dissipative 2-Layer Matting

Groundable static control bench mat with antistatic properties, typically used in the electronics industry.

- Rugged synthetic rubber (NBR/SBR) with excellent lay-flat properties
- Two-layer material with a subtle matt textured top finish
- Meets requirements of IEC61340-5-1 and ANSI ESD S20.20.
- Resistant to solder, heat and most chemicals found in a typical electronics workshop.
- Abrasion resistant
- Halogen free
- Volume conductive bottom & dissipative top layers.
- Thickness: 2mm (nominal)
- Colours:
  - 2LBM-LB = light blue
  - 2LBM-PG = mid grey
  - 2LBM-GN = light green
  - 2LBM-BE = beige
  - 2LBM-RB = royal blue
- Due to the natural characteristics of NBR/SBR, colour change may occur over time.
- Options:
  - 0.61 x 10m roll
  - 1.22 x 10m roll
  - Custom cut
  - 10mm snap studs fitted as required.



Reproduced colours are only indicative, due to variables in print reproduction, product process control tolerance, etc.

## Physical properties:

	Standard	Value
Density	DIN 53479	1.4 g/cm <sup>3</sup>
Abrasion (5N load)	DIN 53516	130mm <sup>3</sup>
Hardness	DIN 53505	78 Shore A
Impression test	DIN 51955	0.1mm
Light reflection	DIN 5036	19% - 29%
Usable temperature range	-	Up to +60°C

## Product qualification according to IEC61340-5-1:

Coloured Dissipative Top Layer	Test Method	Limits	Typical Values
Resistance-to-Groundable Point (R <sub>GP</sub> )	IEC61340-2-3	< 1 x 10 <sup>9</sup> Ω	10 <sup>6</sup> - 10 <sup>7</sup> Ω
Resistance Point-to-Point (R <sub>P-P</sub> )	IEC61340-2-3	< 1 x 10 <sup>9</sup> Ω	10 <sup>7</sup> Ω
<i>Environmental conditions: 12 +/- 3%RH and 23 +/- 2°C (conditioning &gt;48hrs)</i>			

## Electrical properties:

Conductive Bottom Layer	Test Method	Typical Values
Resistance Point-to-Point (R <sub>P-P</sub> )	IEC61340-2-3	10 <sup>3</sup> - 10 <sup>4</sup> Ω

Regular cleaning with ICSC is highly recommended; [ICSC-32-ESD](#), [ICSC-GAL](#), see web site for details.

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