



Blue

**Disclaimer:**

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy of completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements of 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. See [Charleswater Limited Warranty](#) at [Charleswater.co.uk](#).

**Limited Lifetime Warranty:**

Charleswater warrants for one year that Statfree® matting products will be free of defects in materials and workmanship and will guarantee dissipative/conductive mat properties for the life of the mat. Charleswater recommends the use of Reztore™ ESD surface and mat cleaner. Damage to matting caused by misuse of any kind, including using inappropriate cleaners is not covered by Charleswater Limited Warranty.

**Description:**

Statfree UC™ was developed for Clean Room applications. This product was tested by a hi-tech manufacturer who approved it for Class 100 Clean Room use. The FTIR testing producing no detectable levels of Silicone and DOP. 100% Premium Nitrile Butadiene Rubber, it is PVC (Poly Vinyl Chloride) free. It is chloride, sulfide, alumina, and magnesia free.



Statfree UC™ meets the working surface limits of and its table 3 note 6 recommendation. This material is a dual purpose rubber matting material. The soft dissipative layer makes an excellent table mat, ideal for use in soldering and assembly areas. This rubber material has superior resistance to heat, abrasion, chemicals, and is easy to clean and maintain. Statfree UC™ material will not melt and does not burn when coming into contact with hot metal parts or soldering debris. With a more conductive black layer, Statfree UC™ is suitable for use with continuous monitors.

Statfree UC™ is manufactured without any ozone depleting substances, and in accordance with the Montreal Protocol.

**Electrical Properties:**

| Property                              | Test Method   | Value   |
|---------------------------------------|---------------|---|
| Rp-p Resistance (Blue top layer):     | IEC 61340-2-3 | 1 x 10 <sup>6</sup> to < 1 x 10 <sup>9</sup> ohms |
| Rp-p Resistance (Black bottom layer): | IEC 61340-2-3 | < 1 x 10 <sup>6</sup> ohms                        |

More conductive bottom layer makes suitable for use with continuous monitors.

**Specifications:**

- Construction:** Dual-layer Ultra-Clean Rubber
- Thickness:** 2mm
- Texture:\*** Smooth
- Colours:\*** Blue

\*Colour and texture may vary between lots and mills

**Grounding:** This material must be properly grounded for optimum electrical performance. Ask for Technical Bulletin [PPE-5025.E](#) 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 Item [71021](#) or Static-Wipes Item [71050](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

**Made in Italy**

| Item                  | Size          | Color    | Thickness |
|-----------------------|---------------|----------|-----------|
| <a href="#">80105</a> | 0.76m x 12.2m | Sky Blue | 2mm       |

| Tolerances:   |
|---|
| Width ± 6.35mm  |
| Length ± 20.8mm for every linear metre of material  |
| 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. Always trim with a sharp knife or razor blade. |

Specifications and procedures subject to change without notice.



**Statfree UC™, Dual Layer Rubber, Dissipative, 2mm**

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**Drawing Number**  
**PME-UC**

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