



Certificate of Electrostatic Safety

Presented to
Coba Plastics Ltd
for
The HR Mat Blue

This is to certify that the HR Mat has been rigorously tested and passed for use in certain static-sensitive industrial applications. Provided that the product is earthed, it has sufficient static-dissipative properties for use in Electrostatic-Discharge Protected Areas (EPAs) where static-sensitive devices are handled. The product is also suitable for use in flammable atmospheres of minimum ignition energy down to 0.25mJ from the point of view of electrostatic ignition hazards. The test results are summarised below:

Surface resistance at 20% and 55% relative humidity:

1.3×10^6 and 0.7×10^6 Ohms/sq. respectively

Volume resistivity at 20% and 55% relative humidity:

1.1×10^9 and 1.0×10^9 Ohm.m respectively

Maximum resistance between test position and point contact (earthed corner stud) at 20% relative humidity:

(i) *Insulating floor:* 28.3×10^6 Ohms

(ii) *Conducting or anti-static floor:* 3.2×10^6 Ohms

Maximum resistance between test position and point contact (earthed corner stud) at 55% relative humidity:

(i) *Insulating floor:* 1.7×10^6 Ohms

(ii) *Conducting or anti-static floor:* 1.0×10^6 Ohms

Resistance of person to ground at 20% relative humidity (person wearing BS 5958 compliant footwear standing on mat). Mat earthed via point contact:

(i) *Insulating floor:* 5.2×10^6 Ohms

(ii) *Conducting or anti-static floor:* 0.8×10^6 Ohms

Resistance of person to ground at 55% relative humidity (person wearing BS 5958 compliant footwear standing on mat). Mat earthed via point contact:

(i) *Insulating floor:* 1.1×10^6 Ohms

(ii) *Conducting or anti-static floor:* 0.3×10^6 Ohms

This product conforms to the following Standards:

BS EN 61340-5-1 and BS 5958 Part 2

Graham Hean

For and on behalf of Wolfson Electrostatics, May 14th 2003

