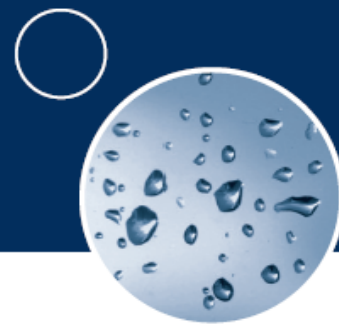


MATRIX PREMIUM

“ The grp roofing system
with the 20 year guarantee ”



TECHNICAL DATA SHEET

**Matrix Premium
Roofing Topcoat**

1 - DEFINITIONS

Matrix Premium Roofing Topcoat is modified isophthalic gel coat designed for roofing applications. For best results it should be used in conjunction with Matrix Premium Resin as part of a complete roofing system and applied as per the instructions found on our website at www.matrix-roofing.co.uk or in our Matrix Guide to GRP Flat Roofing.

2 - CHARACTERISTICS

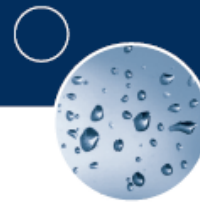
- ◆ Suitable for brush or roller application
- ◆ Can be applied on vertical surfaces
- ◆ Increased flexibility for contraction and expansion
- ◆ Good weather resistance and mechanical properties
- ◆ Available in light or dark grey as standard (other colours available as special order)

3 - PROPERTIES OF THE LIQUID TOPCOAT

Viscosity Brookfield (20°C – sp6)	5 rpm 250 +/- 30 Poises 50 rpm 55 +/- 5 Poises
Specific Gravity (ICON 012)	1.15 – 1.20 g/cm ³
Gel Time (ICON 002) (20°C – 2% P MEC – sur 100gr)	12 mins
Non Volatile Content (ICON 003)	65 -70%

MATRIX
Composite Materials Company

Matrix Composite Materials Company Ltd.
Unit E Paintworks, 277 Bath Road, Bristol BS4 3EH
Tel: 0117 9715145 www.matrix-roofing.co.uk



4 - PROPERTIES OF THE SOLID RESIN

Tensile Strength (ISO 527)	38 to 100MPa
Elongation at Break (ISO 527)	2.3 to 2.8%
Flexural Strength (ISO 178)	80 to 100 Mpa
Flexural Modulus (ISO 178)	3.6 to 3.8 GPa
Heat Distortion Temp (ISO 75-3)	72°C
Barcol Hardness	50

5 - APPLICATION INSTRUCTIONS

For full technical information see www.matrix-roofing.co.uk or contact our Technical Team on 0117 9715145.

- ◆ Mix well before use. Replace lid
- ◆ Store between 5-30°C
- ◆ Catalyse with MEKP catalyst at 1-3%
- ◆ Surface temperature should be between 5-40°C
- ◆ Surface should be dry and free from dust
- ◆ Topcoat must remain dry until initial cure is achieved
- ◆ Application rate approx 0.5kg/m² or 0.5mm thickness
- ◆ Keg (20kg) sufficient for approx 40m²
- ◆ 20 year warranty only applies when used with Matrix Premium Resin
- ◆ Apply with brush or short pile roller
- ◆ For maximum adhesion apply same day or if left overnight or longer abrade surface and remove dust before application
- ◆ Use within 6 months
- ◆ Curing and gel time will vary according to temperature and catalyst %

6 - VERSIONS

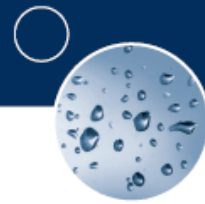
Matrix Premium Grade Topcoat is available in light grey (00A05) and dark grey (Ral 7011). Ask for a quotation for other colours.

7 - PACKAGING

Available in 5kg, 20kg kegs. 220kg barrels available on request.

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8 - STORAGE CONDITIONS

Matrix Premium Roofing Topcoat is subject to the Highly Flammable Liquids Regulations. The Topcoat should be stored under cool conditions in close, opaque containers at a temperature not exceeding 25°C. Avoid exposure to heat sources such as direct sunlight.

A safety data sheet is available on request.