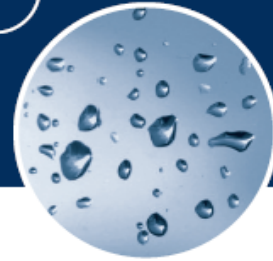


# MATRIX PREMIUM

“ The grp roofing system  
with the 20 year guarantee ”



## TECHNICAL DATA SHEET

## Matrix Premium Zer0° Roofing Topcoat

### 1 - DEFINITIONS

Matrix Premium Zer0° Roofing Topcoat is modified isophthalic gel coat designed for roofing applications in cold weather. For best results it should be used in conjunction with Matrix Premium Zer0° Resin as part of a complete roofing system and should be applied as per the instructions found on our website at [www.matrix-roofing.co.uk](http://www.matrix-roofing.co.uk) or in our Matrix Guide to GRP Flat Roofing. It is recommended for use at temperatures between 0-10°C. Use a TN1 infrared thermometer to test the surface and resin temperature. Apply in dry weather and only on dry surfaces. Do not apply late in the day.

### 2 - CHARACTERISTICS

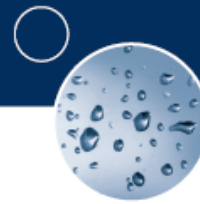
- ◆ Thixotropic, pre-accelerated and pre-promoted resin
- ◆ Cures at cold temperatures by addition of M50 or equivalent MEKP catalyst
- ◆ Suitable for brush or roller application. Stir well before application.
- ◆ Can be applied on vertical surfaces
- ◆ Increased flexibility for contraction and expansion
- ◆ Good weather resistance and mechanical properties

### 3 - PROPERTIES OF THE LIQUID TOPCOAT

<b>Viscosity Brookfield</b> (20°C – sp6)	5 rpm 250 +/- 30 Poises 50 rpm 55 +/- 5 Poises
<b>Specific Gravity</b> (ICON 012)	1.15 – 1.20 g/cm <sup>3</sup>
<b>Gel Time</b> (ICON 002) (5°C – 2% P MEC – sur 100gr)	12 mins
<b>Non Volatile Content</b> (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](http://www.matrix-roofing.co.uk)



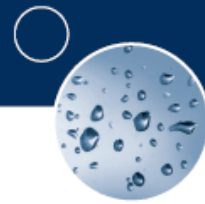
## 4 - PROPERTIES OF THE SOLID RESIN

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

## 5 - APPLICATION INSTRUCTIONS

For full technical information see [www.matrix-roofing.co.uk](http://www.matrix-roofing.co.uk) or contact our Technical Team on 0117 9715145.

- ◆ Mix well before use.
- ◆ Catalyse with MEKP catalyst at 2%
- ◆ Surface temperature should be between 0-10°C
- ◆ Surface should be dry and free from dust
- ◆ Topcoat must remain dry until initial cure is achieved
- ◆ Application rate approx 0.5kg/m<sup>2</sup> or 0.5mm thickness
- ◆ Keg (20kg) sufficient for approx 40m<sup>2</sup>
- ◆ 20 year warranty only applies when used with Matrix Premium Zer0° 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

Topcoat supplied as RAL 7011 dark grey (other colours available as special order)

## 7 - PACKAGING

Available in 5kg, 20kg kegs.

## 8 - STORAGE CONDITIONS

Matrix Premium Roofing Topcoat is subject to the Highly Flammable Liquids Regulations. The Topcoat should be stored under cool conditions in closed, opaque containers at a temperature not exceeding 15°C. Avoid exposure to heat sources such as direct sunlight.

A safety data sheet is available on request.