

TekShield Roofing Resin



PHYSICAL PROPERTIES:

Viscosity (cps @ 20c)	600-700CP
Appearance (1 Layer csm)	Opaque
Tensile Strength	55-65 Mpa
Flexural Modulus	100 Mpa
Stability in dark @ 20c	6 Months
Barcol 934-1 Harness	40-45

- High performance virgin resin
- Can be used with TekShield FR Flexi FRP Topcoat to achieve Broof(T4)
- 15, 20 or 25 Year Materials Guarantee Available*
- LSE (Low Styrene Emission) system
- Colour change mechanism to indicate cure
- Quick wet out of CSM
- Hand & Spray lay
- Low drainage

Description:

KoverTek's TekShield Resin is a virgin grade unsaturated polyester that is pre-accelerated and is ready to use with standard grades of MEKP catalysts. The resin is thixotropic and designed to have good resistance to drainage with a medium cure rate that allows for all round use. Can be used with standard TekShield Topcoat or with TekShield FR Flexi GRP when BRE certification to Broof(T4) is required.

Designed specifically for roofing applications giving fast wet out and consistent cure with a colour change system to show the progress of the resin curing. The product is also engineered with a low styrene suppression system to prevent excessive smell when working.

* TekShield offers a 20 year (450g) CSM or 25 year (600g) CSM Material Guarantee when installed correctly, please contact us for further details of the Guarantee conditions.

SURFACE PREPARATION

All substrates must be clean and dry, do not lay on wet or damp surfaces as this will adversely affect the cure

APPLICATION

Always try a test patch prior to large scale application.

Recommended working temperature +10 to +25C

Working time 18-45 minutes depending on temperature (NB – Care must be taken when working at higher or lower temperatures)

Measure and mix thoroughly 1 – 2% MEKP standard catalyst for temperatures between 18-25c. Use up to 4% at temperatures below 15c

At higher temperatures mix smaller amounts and apply to the substrate as soon as possible as this will slow down the cure time.

Please retain copies of materials purchased and dates of installation, these will be required to obtain the material guarantee and must be produced in the event of any request to claim.

Consolidate chopped strand mat with standard GRP tools, using standard cleaners to clean tools.

STORAGE & SHELF LIFE

Storage guidelines The resin should be stored indoors in original, unopened, undamaged containers in a dry place at storage temperature between 5- 20 °C. Exposure to direct sunlight should be avoided.

Shelf life Under above mentioned storage conditions, the shelf life of the resin will be 6 months ex works.

MATERIAL SAFETY

Please refer to Product MSDS SHEETS for advice on safe handling.

It is of extreme importance that protective gloves and eye protection are worn when handling base, hardener or mixed product. Spills or splashes must be removed immediately – if allowed to dry, material can only be removed mechanically or with heat and/or harsh chemicals.

All wet components of this system are environmentally hazardous. Do not allow wet product to enter water courses, drains, sewers or the general environment. For professional use only.

NB: The advice and information given in this data sheet is given freely and in good faith and is based upon data that we believe is reliable. The data herein is based on extensive laboratory testing and experience, but we cannot test for every eventuality. It is the customer's Responsibility to ensure that the product is fit for their intended purpose. KoverTek cannot guarantee anything but the quality of the product and cannot be held responsible for results obtained.

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