

## PRODUCT DATA SHEET

# Cromar® PROGRP Resin

A pre-promoted, filled, high viscosity thixotropic polyester resin.

## PRODUCT DESCRIPTION

The PRO GRP Roofing Resin is a vital component with the PRO GRP Roofing System. It's designed for cold application as part of a Glass Reinforced Polyester (GRP) flat roof system, delivering low styrene emissions and exceptional fibre wetting performance.

## USES

As a base resin layer for the PRO GRP liquid roof system, it is specifically engineered for flat roof applications. It is a fully integrated seamless system where all the necessary components are designed to work together. The PRO GRP system is certified as BRoof (T4) for use on OSB in accordance with the procedures given in the standard EN 13501-5:2016.

## CHARACTERISTICS / ADVANTAGES

- Very low styrene emission.
- Low viscosity for rapid and efficient fibre wet-out.
- Long pot life with rapid cure time.
- Excellent mechanical strength in the finished laminate.
- Enhanced water resistance, durable under foot traffic.

## PRODUCT INFORMATION

|                               |   |
|-------------------------------|---|
| Packaging                     | Preprinted tins available in both 10 kg and 20 kg.  |
| Colour                        | Dark Grey   |
| Shelf Life                    | Provided the recommended storage conditions are met - 6 months.   |
| Storage Conditions            | The product must be stored closed and in a cool, dry place and protected from sunlight.<br>In unopened original containers the product can be processed for up to 6 months if properly stored up to +20 °C. |
| Flash Point                   | +33 °C  |
| Tensile Strength              | ISO 527-2<br>80 MPa   |
| Tensile Modulus of Elasticity | ISO 527-2<br>4.1 GPa  |
| Laminate Elongation at Break  | ISO 527-2<br>2.5 %  |

## VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Do not apply over a wet substrate.
- Do not apply below +5 °C or above +30 °C.
- Never mix more than 10 litres at time, and less in warm weather, to reduce the risk of the resin 'going off' before use.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

Please refer to the PROGRP liquid roofing system guidance for details on application, including equipment, coverage and installation instructions.

### SUBSTRATE PREPARATION

Installation is recommended on to new OSB T&G3 Board.

The substrate should be clean and dry, and free from moisture during application.

### APPLICATION

Firstly, install the correct accompanying trims (further information can be found in our trim guide).

Apply the pre-catalysed PRO GRP Resin along the trim/deck joints - overlapping both the trim and the deck to form a sealed layer.

Bandage any joints; where the trims meet the roof deck, 100 mm of 450 g PRO GRP bandage should be applied. Unroll the PRO GRP bandage onto the resin-covered areas.

Impregnate the bandage with a further coat of PRO GRP Resin, and apply light pressure with a roller until the bandage areas are coated with PRO GRP Resin.

Roll out the PROGRP Fibreglass matting over the roof deck; to achieve the correct ratio of PRO GRP Resin to fibreglass matting approximately 1/3 of Resin needs to be applied to the deck and 2/3 to be applied on top of the fibreglass matting.

When laminating the main areas of the roof with the PRO GRP Resin, never mix more than 10 litres at a time (roof size dependent) This will ensure that you do not risk the basecoat Resin 'going off' in the mixing vessel and becoming unusable.

To ensure the Resin is evenly distributed over the fibreglass matting we recommend using the Bubble Buster roller to smooth out bubbles and/or raised edges of matting.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### SIKA LIMITED

Watchmead  
Welwyn Garden City  
Hertfordshire, AL7 1BQ  
Tel: 01707 394444  
Web: [www.sika.co.uk](http://www.sika.co.uk)  
Twitter: @SikaLimited



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