

## TriRoof Polyurethane Roofing Topcoat

### Product Description

The TriRoof Polyurethane Roofing Topcoat is a one component; moisture triggered elastomeric urethane coating specifically developed as a high-performance waterproofing membrane topcoat for use on roof surfaces. The TriRoof Polyurethane Roofing Topcoat is to be used with the TriRoof Polyurethane Roofing Basecoat for the full waterproofing membrane system.

### Product Features

- Good application characteristics for easy by-hand application.
- Short cure times allowing product to be over coated quickly.
- Outstanding waterproofing properties.

### Typical Specifications

| Criteria                              | Typical Values           |
|---------------------------------------|--------------------------|
| Colour                                | Dark Grey                |
| Solids %                              | 83%                      |
| Viscosity at 23°C Spindle 6 Speed 1   | 18,000 ± 4,000 mPa.s     |
| Viscosity at 23°C Spindle 6 Speed 100 | 2,000 ± 250 mPa.s        |
| S.G.                                  | 1.40                     |
| Coverage                              | 1.0 – 2 L/m <sup>2</sup> |
| Touch-dry                             | 2 – 3 hours              |
| Typical over coat time                | 8 – 24 hours             |
| Tensile strength                      | 5 N/mm <sup>2</sup>      |
| Elongation at break                   | 550%                     |

### Applications

The TriRoof Polyurethane Roofing Topcoat is designed for use in applications where a seamless waterproof system is required on structurally sound roof areas. It is recommended that the product is applied at +5 to +35°C.

### Surface Preparation

All areas should be clean, dry and free from dirt, dust and grease and any loose aggregate removed. The TriRoof Polyurethane Roofing Topcoat should not be applied in wet conditions or when rain is imminent. The surface must be free of any visible moisture.

### System Application

A coat of the TriRoof Polyurethane Roofing Basecoat should be laid at a coverage rate of 1.2 L/m<sup>2</sup> with 225gsm chopped strand matting embedded into the material. Once the base coat has reached a suitable overcoating window, a coat of TriRoof Polyurethane Roofing Topcoat can be applied at a coverage rate of 0.75 L/m<sup>2</sup> for a 15-year system, 1.0 L/m<sup>2</sup> for a 20-year system or 1.75L/m<sup>2</sup> for a 25-year system.

## **Curing**

The TriRoof Polyurethane Roofing Topcoat should be allowed to cure for a minimum 8 hours at 19°C prior to overcoating. The cure time will be extended at low temperatures and low humidity.

## **Cure Speed**

The cure speed of TriRoof Polyurethane Roofing Topcoat can be increased with additions of the TriRoof Polyurethane Roofing Accelerator. The maximum addition rate is 2% on top of the TriRoof Polyurethane Roofing Topcoat unit weight. At the maximum addition rate the 'walk-on' time for TriRoof Polyurethane Roofing Topcoat will be approximately 4 to 5 hours, depending upon ambient conditions.

## **Important Information:**

This system must be installed consistent with our installation guide, including our guidance on suitable subbases and application temperatures. Installation during excessive temperatures/ certain subbases can lead to movement of the waterproofing system. Day sheets must be completed for each day of installation and stored. Please consult our Technical Department for any required clarification.

## **Storage**

Stored in unopened original containers, the TriRoof Polyurethane Topcoat will have a shelf life of 6 months. Store between 5 and 25°C.

## **Health & Safety**

Ensure the Health and Safety documentation had been read before using or handling this product. The TriRoof Polyurethane Topcoat contains a 'non-volatile' isocyanate. Avoid prolonged contact with skin. In cases of contact with eyes, flush out with excess water and seek medical attention. The solvent system contained in this adhesive is flammable and should be used in well ventilated surroundings. Smoking in the vicinity of the adhesive or contact with red hot surfaces must not be permitted.

## **Additional Precautions**

Advised PPE:

- Use industrial safety gloves.
- Use suitable eye protection.

The company will supply, upon request, individual advice in writing in connection with the use and application of its products in all appropriate cases. Customers are urged to make use of this service. This leaflet is provided for general guidance only. All recommendations and suggestions are made in good faith but without guarantee and are subject to the company's terms and conditions.

This information is for general guidance only and may contain inappropriate information under particular conditions of use. All recommendations and suggestions are therefore made without guarantee. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.

