



# TECHNICAL DATA SHEET

## TriRoof HPX Hybrid Polymer Liquid Membrane



### Product Description

TriRoof HPX Hybrid Polymer Liquid Membrane is a premium, cold applied, one-component based polymer. This elastic, waterproofing membrane is free of bitumen, solvent and isocyanates. Once fully cured, it forms a waterproof, UV resistant surface that repairs cracks up to 5mm.

### Applications

Protection, repair, restoration and waterproofing of the following surface and areas:

- Concrete floor slabs and roofs
- Balconies and terraces
- Small horizontal movement joints
- As a flexible coating of roofs
- Protection of Polyurethane Foam Insulation
- Waterproofing of Wet Areas (under-tile) in bathrooms, kitchens, balconies, auxiliary rooms, etc.

### Product Features

- Can be applied to damp surfaces
- Good resistance to UV, water and moisture
- Self-leveling
- Solvent-free, non-flammable
- Apply by brush, roller or spatula
- Breathable until cured, allowing moisture to evaporate
- Environmentally friendly – Free of bitumen, isocyanate and solvents

### Storage & Shelf life

- Protected from water, frost and adverse air conditions
- Keep dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions
- Any opened material should be used immediately
- Shelf life is maximum 9 months conditional to complying with the aforementioned storage conditions

## Typical Specifications

TECHNICAL DATA	
Base	Hybrid Polymer
Density (g/ml)	1,44 (ASTM D1875)
Colour	Grey/White
Curing Rate	3,05 m/day
Viscosity	10000-20000 cps Brookfield DV-E RV 23°C Spindle No 05
Hardness (Shore A)	30±5 ISO 868
% Elongation	Min. 300% (DIN 53504)
Tensile Strength (N/mm <sup>2</sup> )	1-1,5 (DIN 53504)
Application Temperature	+5 °C to +35 °C
Product Temperature	+5 °C to +25 °C
Temperature Resistance (Cured Product)	-20 °C to +80 °C

## APPLICATION PROCEDURE

### Surface Preparation

The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the coating. The surface must also be thoroughly cleaned from water puddles, prior to application. New concrete structures need to dry for at least 28 days before application. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Any loose surface pieces and grinding dust need to be thoroughly removed. Avoid standing water.

### Application

The TriRoof HPX is ready to use. Apply the product evenly in one or two layers manually with a roller or brush. Spread or pour in lanes directly on the surface and subsequently spread through a short pile roller (roller for epoxy/polyurethane paints). The second layer is applied after the first layer has completely dried, and it is highly recommended that the second layer be applied the following day.

Furthermore, the user can apply it with a flat trowel for horizontal surfaces. In particular, crack-prone or other problem areas, like wall floor connections, 90° angles, chimneys, pipes and waterspouts (siphon). Applying the 225g chopped strand matting, soaked and saturated in TriRoof HPX in the first wet layer, is recommended. Consolidate the matting firmly with a roller. After the first layer has completely cured, the second layer is applied over matting. To increase the adhesion of the tile adhesive, the usage of quartz by spreading to TriRoof HPX is also highly recommended.

### Coverage

Indicatively: 0.27 – 0.31 lb/ft<sup>2</sup> (1.3 – 1.5 kg/m<sup>2</sup>) in one or two layers, in approx. 0.04" (1 mm) thickness. Recommended coverage, in total, 0.53 – 0.61 lb/ft<sup>2</sup> (2.6 – 3 kg/m<sup>2</sup>) (without the use of 225g chopped strand matting).

## Precautions

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## Legal Notice

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## Get in touch.

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