



TECHNICAL DATA SHEET

TriRoof HPX Hybrid Polymer Liquid Membrane



Product Description

TriRoof HPX Hybrid Polymer Liquid Membrane is a premium, cold applied, one-component SMP (silane modified polymer) 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

- Applicable on damp surfaces
- Good resistance to UV, water and moisture
- Self-leveling
- Paintable
- Applicable by brush, roller or spatula
- Provides water vapor permeability, allowing the surface to breathe
- Environmental friendly – Free of bitumen, isocyanates and solvents

Storage & Shelf life

- Protected from water, frost and adverse air conditions
- Keep dry and cool on wooden pallets at between +10oC and +25oC in moisture free conditions
- The opened products should be consumed 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/mm2)	1-1,5 (DIN 53504)
Application Temperature	+5 oC to +35 oC
Product Temperature	+5 oC to +25 oC
Temperature Resistance (Cured Product)	-20 oC to +80 oC

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. Remove all loosing materials. New concrete structures need to dry for at least 28 days. 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

Apply TriRoof HPX Hybrid Polymer Liquid Membrane, ready-to-use, evenly and completely enclosed 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 complete drying of the first layer. It is highly recommended to apply the second layer on the next day. Furthermore, it can be applied with a flat trowel for horizontal surfaces. In particularly crack-prone or other problem areas, like wall floor connections, 90° angles, chimneys, pipes and waterspouts (siphon), the application of the geotextile FABRIC, soaked and saturated in TriRoof HPX Hybrid Polymer Liquid Membrane, in the first wet layer, is recommended. Press FABRIC firmly with a roller. The second layer is applied over FABRIC, after complete drying of the first layer. In order to increase the adhesion of the tile adhesive, usage of quartz by spreading to TriRoof HPX Hybrid Polymer Liquid Membrane is highly recommended.

Coverage

Indicatively: 0.27 – 0.31 lb/ft2 (1.3 – 1.5 kg/m2) in one or two layers, in approx. 0.04" (1 mm) thickness. Recommended coverage, in total, 0.53 – 0.61 lb/ft2 (2.6 – 3 kg/m2) (without the use of FABRIC).

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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