

TECHNICAL DATA SHEET

TRIROOF HPX HYBRID POLYMER LIQUID MEMBRANE REPAIR KIT

PRODUCT IDENTIFIER

Product Name:	TriRoof HPX Hybrid Polymer Liquid Membrane Repair Kit 1490206 Rev.0
Revision Date:	17-OCT-2025

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. The HPX repair kit is designed for temporary repairs before a full HPX application is applied to the entire roof substrate.

Product Features

- Can be applied to damp surfaces
- Good resistance to UV, water and moisture
- Self-levelling
- 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

Application Areas

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

- Concrete floor slabs and roofs
- Small horizontal movement joints
- As a flexible coating of roofs
- Waterproofing of wet areas (under-tile) in bathrooms, kitchens, balconies, auxiliary rooms, etc.

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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
- The opened products should be consumed immediately
- Shelf life is maximum 9 months conditional to complying with the aforementioned storage conditions

TYPICAL SPECIFICATIONS

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Base	Hybrid Polymer
Density (g/ml)	1,44 (ASTM D1875)
Colour	Light Grey
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 ²)	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

- All loose materials must be removed by brushing, scraping or high-pressure water.
- Surfaces should be clean and free from any oil, grease, debris, or other contaminants that may affect adhesion.
- All surfaces should be degreased, either with acetone or detergent and washed off thoroughly.
- Any organic growth should be treated with a fungicidal wash.
- New concrete and mortars must be at least 28 days old.
- Metal surfaces should be clean and free from rust and or flaking debris.

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Application

1. Ensure the substrate is free from contaminants and no standing water is present.
2. Accurate measurement and cutting of the Chopped Strand Matting (CSM) is crucial. Ensure the Matting is cut to the correct size for the repair area, and be mindful to keep it dry during this process.
3. Cut open the foil pack at one end only.
4. Squeeze the foil pack so HPX covers the area you need to repair – do not use all of the pack, as you will need more of the product to cover the Matting.
5. Using the Brush in the kit, spread the HPX around the repair area, ensuring a thin spread of HPX is evenly applied to the substrate.
6. Use the Brush to place the Matting into the HPX and ensure it is adequately tacked down.
7. After the Matting is adequately tacked into the first layer, applying the remaining HPX is essential. This step ensures a strong bond and a smooth finish.
8. Allow for a small border (15mm) of HPX liquid to be between the outer edge of the CSM Matting and where the HPX liquid is to meet the substrate again.
9. Allow the application to cure for a minimum of 2-3 hours before rain.
10. Inspect the finished surface. If pinholes are present, scuff the affected area with 80-grit Sandpaper, wipe with Acetone and apply a thin layer of HPX with a spreader over the affected area.

Coverage

Indicatively: 0.5 – 0.7 sqm per kit

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