

Technical Data

PurRoof 2k System

- Solvent Free, Low Odour
- Crack filling
 - Cold Applied
 - Breathable membrane
 - 15 Year Material Guarantee when using PurVeil 15 reinforcement
 - Exceptional toughness with flexural strength
 - Pour & Roll System (Wet on Wet)



Coverage *	1.5-2/kg M ²
Wet Film Thickness	Approx. 2mm
Dry Film Thickness	Approx. 2mm
Pack Size	15.5kg (A&B)
Mix Ratio	4.25:1 (B:A)
Short Term Temp max	250 °c

Uses:

PurRoof is a solvent free very low odour 2 part Polyurethane system with a liquid activator and is a versatile product for use on new construction and refurbishment projects for roof waterproofing and coating applications.

PurRoof should be applied by professional roofers experienced in cold lay wet on wet systems. PurRoof can be applied to virtually any substrates ** as a waterproofing system & for concrete structures, concrete roadways under tarmac layers, carparks, ramps, bridges etc.

* Based on using PurVeil 15.

Surface Preparation

The surface must be dry prior to commencing work remove all loose contamination from the substrate such as rust, organic growth, dust and dirt or any other material that would affect bonding. Residual moisture in the first 20mm of the surface should not exceed 5%, where the surface is exceeding this level Primer should be used to seal the surface prior to work commencing, however this should only be used up to a maximum of 15% residual surface moisture.

Always try a test patch prior to large scale application to ensure suitability of the surface. Never apply below 5°C as this can affect surface adhesion and cure

Application

Mixing

Unclip PurRoof Part A from the top of the container without removing the lid, place to one side and proceed to open the Part B, use either a hand or electrical mixer to mix the Part B before pouring in the Part A making sure that a smooth streak free finish is achieved, we recommend transferring to another container to ensure the product is thoroughly mixed.

Cold Weather Mixing

If the temperature is below 10 °c then PurRoof Part C cold weather activator should be used to maintain cure speed, if using the Part C it should be added to the mixed Part B before adding the Part A and mixing all together.

Application

Apply two thirds (2/3rd) of the mixed PurRoof to the surface just over 1 metre wide before laying down the PurVeil 15, using a Perlon or short pile roller to ensure a smooth and even layer, removing any air bubbles. Immediately apply the remaining one third (1/3rd) to the reinforced surface until an even saturated coat is achieved. Repeat the process on the next strip or row allowing for a 50mm overlap into the previous strip or row.

Joints can be made over 24hrs to 7 days if cleaned with Acetone if longer than 7 days then abrade/clean the joint with P40 paper before commencing the work.

For walkways, steps or other areas classed as a potential slip hazard we recommend the addition of between 5-10% of anti-slip additive, which can either added into the top 1/3rd of PurRoof or broadcast over the surface by hand.

PurRoof can be used a quick flexible general repair without the PurVeil 15 but this is with a 10 year material guarantee, use in patch repair, short term renovation, gutters etc

Cure

Working time – approx. - 30minutes

Rainproof – approx. - 2hrs

Walking traffic – approx. - 15hrs

Full Cure/Hardness – approx. - 72Hrs

NB – Cure times are based on an average of 20°C and will be shorter at higher temperatures and conversely slower below 20°C.

Surface Prep

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Surface Guide

Substrate guide	Surface Clean	PurVeil
Bitumen Roof Sheet (No small connections)	x	optional
Bitumen Roof Sheet (With small connections)	✓	optional
APP- Bitumen Roof Sheet or Granulated	Test 1st	optional
Asphalt Weathered	✓	optional
Plastic/Rubber Sheet EPDM, ECB, PVC, PE, PP, PIB, EVA	Test 1st	optional
Plastic Sheet FPO TPO	✓	optional
Fibre Cement Sheets	✓	optional
Clinker, Brick, Ground Stone	✓	optional
Concrete Screed	✓	optional
Polymer modified Concrete PCC	✓	optional
Natural Stone	✓	optional
Glass Uncoated	Test 1st	x
Zinc	x	x
Copper	x	x
Lead	x	x
Steel (Special Steels, V2A V4A	x	x
Aluminium	x	x
Sterling Board OSB3	x	✓
Wood Panels	x	✓
Insulating Materials Polystyrene, RockWool, PU)	x	✓
GRP	x	optional

Storage

Storage

Storage guidelines The resin should be stored indoors in original, unopened, undamaged containers in a dry place at storage temperature between 5- 40 ° C. Exposure to direct sunlight should be avoided.

Shelf life Under above mentioned storage conditions, the shelf life of the resin will be 12 months ex works

NOTE: Please refer to Product MSDS SHEETS for advice on safe handling.

It is of extreme importance that protective gloves and eye protection are worn when handling base, hardener or mixed product. Spills or splashes must be removed immediately – if allowed to dry, material can only be removed mechanically or with heat and/or harsh chemicals

NB: The advice and information given in this data sheet is given freely and in good faith and is based upon data that we believe is reliable. The data herein is based on extensive laboratory testing and experience, but we cannot test for every eventuality. It is the customers Responsibility to ensure that the product is fit for their intended purpose.

We cannot guarantee anything but the quality of the product and cannot be held responsible for results obtained.

Technical data is always being updated and therefore any new version supersedes the previous version rendering it invalid, it is customers duty to ensure they always have the latest TDS for the correct information.

We are only liable for the products being fit for the prescribed purpose and cannot be held liable for application errors and therefore falls entirely to the customers scope of liability and responsibility.

See our full terms & conditions on which our materials are sold and supplied on your suppliers website.

Date of issue: March
18 2020
Version –001-00.1a