

# TekPur Polyurethane System (2k)



## PRODUCT OVERVIEW:

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

## Uses

- High performance roof refurbishment/replacement system with TekVeil 15 reinforcement
- Bonds to a very wide range of surfaces \*\*
- Can be used both externally and internally
- Waterproofing Cementous structures, roadways, sub layer for Tarmac, car parks, walkways, bridges and ramps etc.
- Can be used without TekVeil 15 reinforcement for general repairs and overlaying existing roofs \*

## Features

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

## Description:

TekPur 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 weatherproofing and coating applications.

TekPur should be applied by professional roofers experienced in cold lay wet on wet systems. TekPur 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 TekVeil 15.

\*\* Refer to Primer Guide.

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 TekPrimer 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.

See TekPrimer recommendation sheet for a range of surfaces, in most normal instances TekPur will adhere to a very wide range of surfaces without the need for TekPrimer.

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

### Mixing

Unclip TekPur **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 TekPur **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 (2/3<sup>rd</sup>) of the mixed TekPur to the surface just over 1 metre wide before laying down the TekVeil 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 (1/3<sup>rd</sup>) 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 TekClean-R (ACT) if longer than 7 days then abrade/clean the joint with P40 paper before recommencing the work.

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

TekPur can be used a quick flexible general repair without the TekVeil 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.

## Substrate Guide

<u>SUBSTRATE</u>	<u>Use TekPrimer</u>	<u>Use TekCleaner ACT</u>	<u>TekVeil Needed</u>
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 & SHELF LIFE

**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 work.

## MATERIAL SAFETY

**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. KoverTek 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. KoverTek 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.

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