



TekPur

TekPur Polyurethane System (2k)



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.

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 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 (2/3rd) 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 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 TekClean, 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 3rd 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.

FEATURES & USES:

- ◆ 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)
- ◆ 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 *

PHYSICAL PROPERTIES:

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

Cure

Working time	approx. 30mins
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.