



TekPur SP

Polyurethane System (Single Component)



Description:

TekPur SP is a single component fast curing polyurethane that forms a consistent bubble free seamless membrane, offering superior UV and weather resistance and can be applied in a single coat to achieve a high tensile, durable finish. Can be used without reinforcement where movement is limited. TekPur SP should be applied by professional roofers experienced in cold lay wet on wet systems. TekPur SP can be applied to most substrates** as a waterproofing system & for concrete structures, concrete roadways under tarmac layers, carparks, ramps, bridges etc.

** Refer to Primer Guide.

Recommended surfaces for Priming**

- ◆ OSB3 T&G –TekPrime SD
- ◆ Asphalt, bitumen and felt roofs –TekPrime SD
- ◆ EPDM membranes –TekPrime SD
- ◆ Single Ply membranes –TekPrime PVC
- ◆ GRP/Fibreglass surfaces –TekPrime SD
- ◆ Gypsum/cement boards –TekPrime SD
- ◆ Concrete roofs –TekPrime SD
- ◆ Cement fibre & metal roof sheets –TekPrime SD
- ◆ Plastisol metal –TekPrime PVC
- ◆ PIR insulation boards –TekPrime SD

NB: When applying to any surface a primer must be used prior to application and when applying to Single ply or Plastisol surfaces then TekPrime PVC must be used instead of the stand TekPrime SD (same day primer). Not suitable for unsound surfaces, swimming pools in contact with chemically treated water, fishponds.

PLEASE NOTE: There are many variations of the surfaces listed as suitable, however care much be taken in testing small area prior to commencing the main body of work to ensure that a suitable bond is achieved, we do not recommend for use on areas over 200m² in one continuous area. Please contact the Technical Team at KoverTek to discuss larger projects.

Surface Preparation & Priming

Clean the area to be treated first with a high-pressure washer or a stiff bristled broom and soapy water to remove grease, oil, wax or any other surface contaminants and loose particles. Any defects in the surface such as cracks, splits and blisters need to be treated prior to application. Surfaces that are irregular should be filled with a suitable material. Allow all surfaces to dry before commencing work. TekPrime SD and TekPrime PVC is required before the application of TekPur SP, the type of primer and coverage is dependent on the surface type and porosity. Allow primer to fully dry before application (See primer guide for approximate coverage and drying times). Gaps in the substrate/surface above 2mm or subject to movement needs to be filled with Soudal Fix-All or similar product (do not use silicones). If applying onto OSB3 boards, the joints need to be taped with TekTape self-adhesive butyl tape. Tape should be applied centrally to joints. Surfaces must be recoated within a maximum 48 hours from the first coat, if this is exceeded another coat of primer must be applied to avoid delamination of the layers.

Application of TekPur SP (see over)

USES & FEATURES:

- ◆ High performance roof refurbishment/overlay system
- ◆ Bonds to a very wide range of surfaces **
- ◆ Can be used both externally and internally #
- ◆ Waterproofing & protection EPDM, Single Ply, Cementous surfaces, gypsum, plastisol metals, grp, OSB3 (see full list opposite) **
- ◆ Can be used with or without TekVeil reinforcement for general repairs, new and overlaying existing roofs, balconies, verandas etc.
- ◆ Excellent UV and weather resistance
- ◆ Fast skin formation, bubble free
- ◆ Cold applied
- ◆ Breathable membrane
- ◆ 10 year Material Guarantee when using TekVeil reinforcement
- ◆ Exceptional toughness with flexural strength
- ◆ Remains elastic -40°C and does not soften at high temperatures 80°C +

PHYSICAL PROPERTIES:

Coverage*	2/kgM ²
Viscosity ASTM D2196 - 86@25°C	2,000 - 5,000cP
Specific weight gr/cm ³ ASTM D1475	1.4 - 1.45
Pack Sizes	6, 15 & 25kg
Tack free time	2 -3 hours
Service Temp cured material	-40 to 90°C
Elongation % @ 23°C	>400

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Mix using a low-speed mixer set to a maximum of 300rpm, mix thoroughly to the base of the container avoiding adding air into the product which can create air bubbles.

Carry out any detailing and perimeter works prior to the application onto the main areas.

TekPur SP can be applied with a suitable short/mid pile roller, brush or squeegee. Apply either one thicker coat at minimum 2kg per m² or 2 thinner layers at the same application rate. You have a maximum of 48 hours to apply the second coat before the TekPrime needs to be used again.

Cure Times

Working time approx.	60minutes
Recoat time between	6-18 Hours
Rainproof approx.	2-3hrs
Walking traffic approx.	6hrs
Full Cure/Hardness approx.	48Hrs

NB: Cure times will be dependent on temperature, cure times shown are based on average weather conditions.

Storage and Shel Life

The resin should be stored indoors in original, unopened, undamaged containers in a dry place at storage temperature between 5 -25 °C. Exposure to direct sunlight should be avoided. Once opened the product needs to be used as soon as possible.

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

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 or mixing 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.

Material Safety

Contains Flammable & Volatile solvents

Always apply in well-ventilated area, no smoking or naked flames can be near the application area whilst the product is curing. Solvent fumes are heavier than air and need to be ventilated correctly if using in enclosed areas and suitable active carbon filter masks must be worn. #

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.