TP300PU

waterproofing membrane

DESCRIPTION

TP300PU is a flexible, single pack water based polyurethane waterproofing membrane, which is capable of drying in approximately 6-8 hours @ 20°C depending on the number of coats required.

USES

- Ideal for waterproofing of shower recess, terraces, balconies and retaining walls.
- Ideal for waterproofing of concrete roofs including walkways, planter boxes.
- For internal and external use.

FEATURES AND BENEFITS

- TP300PU is a tough flexible membrane film which eliminates the need for a reinforcing layer.
- TP300PU is UV stable.
- TP300PU is foot trafficable.
- TP300PU can be used, the balance stored in a cool dry place and re-used at any time, saving costs and reducing waste – especially tipping fees.
- TP300PU is an environmentally friendly product. No solvent release offers greatly reduced effects to the health of applicators and localised tradesman.
- Because it is a solvent free formulation, TP300PU is suitable for use in confined areas.
- TP300PU can be applied with airless spray equipment, allowing for faster installations, reducing time on the job.
- TP300PU, once cured can be tiled over using Davco's Cement Based or Two-Part Adhesives.
- TP300PU will not stain tiles or marble.
- TP300PU dries in 2-4 hours per coat, therefore allowing same day trafficking or tiling.
- TP300PU can be applied on damp, visibly dry surfaces without the fear of blistering.
- TP300PU is suitable for external areas of waterproofing, and is UV stable.
- TP300PU is available in grey only.

SURFACE PREPARATION

General

- All surfaces must be structurally sound and free from dirt, dust, grease, paint, wax, oil and any other loose contaminants.
- Prior to application, remove all sharp protrusions, which may pierce the membrane.
- Any voids, potholes in the substrate must be appropriately filled up with a high strength mortar.

Concrete

- All new concrete slabs must be allowed to cure for at least 6 weeks.
- Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Then thoroughly wash off all residue with clean water. Allow the surface to dry for at least 24 hours.

Render

- New rendered surfaces must be allowed to cure for at least 7 days.

Lightweight Blocks

- Prime the surface with TP300 PU diluted 1 part to 3 with water.

Metal Surfaces

- All metal surfaces must be totally free of rust.
- Prime metal surfaces with etching primer.

Cracks/Joints - NOT subject to movement.

- Small hairline cracks, up to 1mm wide, may be filled by the first application of TP300PU.
- For cracks/joints wider than 2mm, a joint filler should be applied along the length of the crack prior to the application of TP300PU.

Cracks/Joints - subject to movement.

- All cracks/joints, irrespective of their width, must be filled firstly with Davco Davsil (Silicone Sealant) or Sodaflex 603 (Polyurethane Sealant). Then 50mm wide polyethylene/polypropylene tape should be placed over the crack, ensuring it adheres to the surface.

Building Boards

- Standard wall/floor building boards must be firmly fixed in accordance with manufacturer's instructions and appropriate Australian Standards. Such boards include plasterboard; fibre cement sheeting; marine grade ply and wet area composition board.
- Screw or nail heads must be sealed with epoxy.
- All sheeting joints need to be covered with 50mm wide polyethylene/polypropylene tape.

APPLICATION

Bond Breaker

Abelrod

- When using Abelrod as a bond breaker, prime the surface first, as per instructions. Allow to dry.
- Place Abelrod along all wall/floor and wall/wall junctions, and secure into place with polyethylene/polypropylene tape.

Silicone or Polyurethane

- When using either Davsil (Silicone) or Sodaflex 603(Polyurethane) as a bond breaker, apply the bead into the corner, and smooth out with spatula or smoothing tool, to give a rounded cove in the corner.
- ALLOW TO CURE 24 HOURS BEFORE PRIMING, AND SUBSEQUENT APPLICATION OF MEMBRANE.

Priming

- All surfaces, especially porous surfaces should be primed. The best priming system for TP300 PU is to use TP450 Primer. This can then be applied via brush or roller to cover the substrate.

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General Application

- TP300PU requires NO MIXING. Apply directly from the pail. Use a thick brush or a short nap roller to apply the first coat of TP300PU on the area to be waterproofed.
- Allow the first coat to dry for approximately 1-2 hours before applying the 2nd coat at 90° to the first coat.
- Apply a third coat only if necessary or required to do so.
- Allow the final coat to dry for at least 4-6 hours. This gives an overall drying time of 6-8 hours for the full application.

Note: The lower the temperature, the slower the drying time of the membrane.

Drain Application

- Prime inside and around the drain as per priming instructions.
- Apply the first coat of TP300PU in and around the drain. Allow the first coat to dry for approximately 1-2 hours at 20°C.
- Apply a second coat in and around the drain ensuring no pinholes or air bubbles are present on the membrane surface. If necessary apply a third coat.

Ponding

- If pond testing is required, ensure the membrane is allowed to cure for a minimum of 7 days before pond testing.

COVERAGE

A 10L pail will cover approximately:

- 6.5m² - to provide a 1mm thick dry film
- 8m² - to provide a 0.8mm thick dry film
- 10m² - to provide a 0.6mm thick dry film

PACKAGING

- TP300PU is available in 4L and 10L pails.

SHELF LIFE

- Up to 12 months in unopened containers, stored in a cool dry elevated place.

CLEAN UP

- Tools and excess TP300PU can be cleaned up with water while it is still wet.

PRECAUTIONS

- Do not allow the product to freeze.
- Do not apply if the temperature is in excess of 45°C or less than 5°C.
- Delay external applications when inclement weather is imminent.
- Do not thin the liquid, it is supplied ready for use.
- TP300PU is not recommended for use in areas of water immersion like swimming pools, spas etc.
- Do not use where negative hydrostatic pressure is evident (ie: rising damp), as it affects the bond of TP300PU. Contact your ParexDavco (Australia) Pty Ltd office for product recommendation in areas where negative hydrostatic pressure exists.
- For other uses or the use of TP300PU over substrates/situations not mentioned, contact your nearest ParexDavco (Australia) Pty Ltd office.

TECHNICAL DATA

Properties:	
Appearance:	Grey liquid
Drying Time at 20°C	6 – 8 hours
Thickness of film:	1.3mm
Solids content:	50% by Vol
Crack bridging:	Up to 2mm
Elongation at Break:	400%
Tensile strength:	3N/mm²
Adhesion to concrete:	1.03N/mm²
Shore hardness:	25
Cure Time at 20°C:	6-8 hours

DISCLAIMER

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3740 - 1994.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

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