

## KEMSEAL PU Membrane Internal wet area application

### DESCRIPTION

Kemseal PU Membrane is a fast cure, liquid applied, polyurethane elastomeric waterproofing membrane which when fully cured forms a permanently flexible waterproof lining to most building surfaces including reinforced concrete, block work, brick work, cement render, plaster board, fibre-reinforced cement sheets and plywood etc. Kemseal PU Membrane meets the requirements of AS/NZS 4858-2004 Internal Wet Area Waterproofing.

### PRINCIPLE CHARACTERISTICS

- Single component
- Simple application- liquid applied
- Excellent elasticity
- Seamless- no joints or cracks
- Fast cure- recoat in 2-4 hours.
- Smooth, Easy to Apply Formulation.
- Non sag- Vertical and Horizontal Application.

### USE AREAS

- Shower Recesses
- Flashings
- Internal Wet Areas including laundry, powder room, bathrooms, ensuite changerooms etc.
- Walls

### GENERAL

**COVERAGE:** 1.5 Litres/ m<sup>2</sup>

**SHELF LIFE:** 6-12 months in cool environment.

**TOUCH DRY:** 2 - 4 hours

**RECOAT:** 4-8 hours

**THINNING:** Xylene

**SOLVENT RESISTANCE:** Not Resistant

**ELONGATION:** 500%

**TILING:** Kemforte PU may be tiled over when fully cured. Apply an additional coat and immediately broadcast clean dry sand into it with 70% coverage sufficient to ensure adequate adhesion. Use two-part cement based adhesive. Do not use solvent based adhesives/sealers over KEMSEAL PU.

## INSTALLATION

**SURFACE PREPARATION:** Ensure surface is firmly placed/fixed to manufacturers directions. Surface must be free of dirt, dust, loose particles, oil, contaminates, curing compounds and flaking concrete etc. Acid etch if necessary. Concrete must be a minimum strength of 20 mpa and have cured a minimum of 28 days if Kemseal WBE Primer is not used. Surface must be dry. Fill all screw holes, cracks and voids with Kemseal PU Sealant. Install leak control flanges around all pipe penetrations.

**PRIMER:** Use Kemseal SP1 solvent based primer or Kemseal WBE applied at 6 m2/Litre. Prime damp areas and areas subject to rising damp with Kemseal WBE. Plastic/Plumbing fittings shall be primed with pink plumbers primer, then Kemseal SP1 primer. Use Kemseal SP1 primer for bonding to aluminium angles. Allow to fully cure prior to membrane application.

**DETAILING:** Apply a minimum 15mm fillet of 'Kemseal PU Sealant' between all change of direction including horizontal to vertical junctions such as floor to wall/hob, shower angle, and around pipe/column penetrations, floor waste outlets. Apply membrane to 1.5mm thick 100mm either side of joint. Where angles are installed such as across bathroom doorways or under shower screens (hobless shower) angle is to be adhered into a bead of Kemseal PU Sealant. Refer to Kemforte for specification on expansion joints. Apply Kemseal P14 to vertical wall areas and allow to cure.

**REINFORCEMENT / BONDBREAKERS:** A reinforcing fabric and/or bondbreaker tape, may be utilized over the following areas: Expansion joints, cracks, floor to wall junctions, shower tray and hob, joints in sheet flooring, vertical corners above shower tray, around floor/wall penetrations, down into floor waste pipes and any other area where movement will occur. Reinforcement shall be laid into the wet base coat and immediately over coated and worked in carefully to fully saturate fabric.

**APPLICATION:** To the prepared surface, apply Kemseal PU by brush, roller or trowel in two or more coats to achieve a minimum dry film thickness of 1.2mm. This will require minimum 1.5L/m<sup>2</sup>. Turn membrane up at walls and penetrations and down into drainage outlets. Overlap Kemseal PU with P14 waterbased membrane where used for walls. When dry, check for pinholes or misses and recoat as necessary. Re-coat within 24hrs. If membrane becomes dirty between coats, clean with xylene to ensure adhesion. Ensure application complies with AS 3740:2010. Allow to fully cure before covering.

**PRECAUTIONS:** Do not use Kemseal PU membrane in any situation beyond its physical limitations. Do not apply above 42°C or below 8°C ambient temperature. Wash equipment with xylene before dry. Do not fix tiles until fully dry. Protect membrane against damage before and during tiling or covering.

***Disclaimer:** The user is responsible to follow current data sheets. The information shown here is as up to date and correct in detail as possible and is intended to give a fair description of the product and its capabilities based on actual service history. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. As the use of this material is beyond the manufacturers control, no guarantee expressed or implied is made as to such. Liability is limited to replacement of material proved faulty. Site Inspections, suggestions made or application instructions by Kemforte Systems, given verbally or in writing are always to be reviewed by; installers, contractors, consultants and building owners responsible for design and/or installation to ensure they are appropriate to the specific application or area of use, prior to application. Kemforte Systems terms and conditions of sale apply.*

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