Flexi-SEAL P.U.D

Characteristics:

- Flexi-Seal PUD is a blue, water based polyurethane modified, flexible waterproofing membrane.
- Flexi-Seal PUD is fast drying and UV stable
- Flexi-Seal PUD can be recoated after 4-6 hours @20°C depending on amount of coats applied.
- Flexi-Seal PUD doesn't require the use of any reinforcement.
- Flexi-Seal PUD is ideal for waterproofing of shower recesses, bathrooms and laundries and balconies and decks.
- Flexi-Seal PUD can be used for internal or external waterproofing applications.
- Flexi-Seal PUD can be used over concrete, render, rendered brickwork, block work, Fibre-cement, Gyprock, plywood and particle board surfaces.
- Flexi-Seal PUD is easy to clean in water.
- RLA cement based Tile Adhesives can be applied over Flexi-Seal PUD.

Surface Preparation:

All areas to be waterproofed must be firm, clean and dry, free from grease, oil and paint and all loose materials or any other contaminants.

- Cement Render should be allowed to cure for a minimum 7 day period
- Concrete should be allowed to cure for a minimum 28 day period
- Sheet and timber substrates must be installed and fixed in accordance with the manufacturers specifications.

Priming:

Gib Board, Cement Board, Timber, Plywood, Particle Board, Concrete and Cement Based Screeds have to be firstly primed with FLEXI-SEAL SEALER PRIMER - RLA UNIPRIME. Foam shower bases and waste traps should be primed with FLEXI-SEAL MEGA PRIMER - RLA 2 PART PRIMER. A light sanding of the waste trap area is advantageous prior to applying the primer.

Application:

Flexi-Seal PUD is a CLASS III Membrane. Care must be taken in the immediate wet areas, such as shower recesses. Wall / wall and wall / floor junctions, need to have a bond breaker mechanism applied prior the application of Flexi-Seal PUD. Use a neutral cure silicone for this purpose.

The bond breaker mechanism must be applied in accordance with AS / NZS 3740 : 2004 Class III Wet Area Membranes. Please refer to the specification sheet for futher instruction, recommendations and information.

Should a tape be required on the junctions, use 80mm BUTYLSEAL TAPE. Apply a wider 150mm piece of BUTYLSEAL TAPE over the trap area, after it has been primed, and turn it down into the trap to help better secure the waste trap area.

Once the bond breaker mechanism has been applied, apply the first coat of Flexi-Seal PUD to the overall pre-primed substrate areas, ensuring a good even coverage, using a rush, roller or airless spray. Allow to dry before applying a second heavier coat with an application, 90 degrees to the first. Ensure a complete coverage is achieved and no air bubbles exist. Apply a third coat if imperfections are present in the membrane.

Curing of coats is dependent on substrate, temperature, humidity and ventilation. Ensure each coat has cured prior to application of the subsequent second or third coats. In cooler, non ventilated conditions and high build up areas such as wall and floor junctions, expect a cure time of up to 16 hours.

Average dry film thickness should be 1.0mm. Minimum dry film thickness should be 0.75mm.

Coverage:

Flexi-Seal PUD will cover approximately 1m^2 with 1.5 litres of product per two coats.

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Packaging:

Flexi-Seal PUD is available in 4 litre and 15 litre pails.

Adhesive Recommendatons over Flexi-Seal PUD:

Depending on drying conditions, allow at least 24 hours curing time prior to tiling over Flexi-Seal PUD. It is recommended that RLA cement based tile adhesives be used when tiling over Flexi-Seal PUD. Specification sheets can be viewed at www.rlapolymers.co.nz.

Recommendations:

- Tiling should be carried out in accordance with AS3958 : 2007. Use the appropriate square notched trowel to apply the tile adhesive to the wall or floor. Trowel in one direction only. On walls this should be horizontal. Tiles should be "back buttered" with a flat trowel. Press the tile into the adhesive with a sliding (back and forth) action at 90 degrees to the trowelling so that the back of the tile has full coverage.
- Ensure cut tile edges are honed to a blunt finish and hold cut tile edge back from internal corners to avoid tile edges from cutting into the waterproofing over time through expansion and contraction. This junction void is then filled with colour matched neutral cure silicone.
- It is recommended to flood test the waterproofed area prior to commencement of tiling after curing for at least two days at 20°C.

Handy Tips:

- Flexi-Seal PUD should not be used as a waterproofing membrane on external roofs, decks and balconies where external temperatures are expected to be below -10 degrees Celsius for extended periods of time.
- Do not apply Flexi-Seal PUD in temperatures above 40°C and below 5°C.
- Flexi-Seal PUD cannot be used in areas where negative hydrostatic pressure is evident.
- Flexi-Seal PUD cannot be used in areas of permanent water immersion like swimming pools / spas etc.
- Ensure that Flexi-Seal PUD is totally dry and the surface is without pinholes before applying any top coat over it.
- For applications / situations not mentioned in these instructions please contact your nearest RLAoffice.
- Flexi-Seal PUD is classified as a non hazardous product.
- For a full MSDS on this product please contact your nearest RLA office.

Technical Data:

Properties	Results
Appearance	Blue paste
Density	1.25 +/- 0.05
Solids (non volatile content)	60% by weight / 50% by volume
V.O.C (volatile organic compounds)	2.2 grams / litre
AS/NZS4858:2004 - Wet Area Membranes (classification)	Class III
Elongation	400%
Minimum Dry Film Thickness	750 microns
Initial Dry Time at 20°C (on F/C sheet)	2 hours
Recoating Time at 20°C (on F/C sheet)	6 hours
Full Cure	3 days

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Developed and manufactured by RLA Polymers Pty Ltd.