

SINGLE COMPONENT MEMBRANE

LOW VOC WET AREA SUITABLE – ROLLABLE (THIXOTROPIC)

RIMSEAL 170R

DESCRIPTION:

Rimseal 170R is a one component high viscosity, rollable, liquid polyurethane which cures to form a tough and permanently flexible waterproof membrane.

FEATURES/BENEFITS:

- One component, ready to use.
- Low VOC
- High viscosity, Non-Sag
- Labour saving. Can be applied in a single application.
- High permanent flexibility.
- Seamless, imperious membrane.
- Excellent chemical resistance.
- Excellent adhesion to a wide range of substrates.
- Early access for follow up trades.
- No tar or bitumen modification.
- No bleed through.
- Non Flammable.

TYPICAL APPLICATIONS:

- Roof and Decks.
- Waterproofing external balconies, roof and deck areas, podium levels, wet area floors and walls prior to the application of a variety of surface toppings, such as tiles, pavers and suitable textured finishes.
- Planter box interiors, general tanking and below grade waterproofing.

TYPICAL PROPERTIES:

Appearance:	coloured viscous liquid
Viscosity:	13,000-19000 cps/25°C
Density:	1.26 approx
Solid Content:	95 ± 2
Hardness (Shore A):	65 ± 5
Elongation (%):	> 600%
Tensile Strength (kgf/cm ²):	> 35 (3.43Mpa)
Tear Strength (kgf/cm ²):	> 20 (1.96Mpa)
Flammability:	Non Flammable

CURING TIME: 24±5 (25° C)

INSTALLATION INSTRUCTIONS:

Surface Preparation:

Ensure surfaces are firmly 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 20Mps and have cured a minimum of 28 days. Surface must be dry. Fill all screw holes, cracks and voids with Rimseal PUR, sealant.

PRIMING:

For exterior installations prime surfaces with Polybond applied at a coverage rate of 6-10 m²/l, dependent on surface porosity.

Damp areas, areas subject to rising damp and generally all interior areas such as wet-areas should be sealed with Adflex WBE, water-based epoxy primer. Polybond must be over-coated within a period of 24hrs whereas WBE can be allowed longer exposure but must be fully cured and totally dry prior to application of the membrane.

Detailing:

Apply a 25mm fillet of Rimseal PU Sealant between all horizontal and vertical junctions such as floor to wall, wall to wall, and all hob junctions, seal joints and detail around pipe/column penetrations. Around rain water and floor waste outlets, apply membrane to 1.5mm dry film thickness and dress up to penetrations and down into waste outlets. Reinforce where necessary with fibreglass or polyester fabric. To joins in sheet flooring, tape and bandage over the mastic-filled joint. Cut out cracks in concrete to 6mm minimum width by 3mm minimum depth and fill with Rimseal PU sealant.

Application:

To the prepared surface, apply 170R by brush, roller or trowel at a total rate of 1.25 litres (1.50kg) per m². In the event this coverage cannot be achieved in one coat a second coat must be applied within a maximum of 24 hours to ensure intercoat bond. Turn membrane up at walls and penetrations and down into drainage outlets. When dry, check for pinholes or misses and rectify if necessary. If membrane becomes dirty between coats, clean with Xylene to ensure adhesion. Allow 12-24 hours to dry before covering.

COVERAGE:

Generally a 15Lt drum of 170R will cover an area of 12.0 m². Apply in one or two coats at a combined rate of 1.25m² per litre. Ensure a dry film thickness of the cured membrane is at least 1.20 mm.

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TOPCOATING:

For wet area/tiling situations, Rimseal 170R, should be covered, topped with sand : cement mix, covered with geo-textile and pebbles or tiled.

For exterior use Rimseal 170R needs to be protected against UV degradation and should be overcoating with either of the following UV resistant surface finishes: ADFLEX Aquatuff for non trafficable situations, or Trugrip for light trafficable situations (pedestrian traffic only). Apply once Rimseal 170R is touch dry.

To ensure intercoat adhesion over-coating needs to be applied within 24 hours after installation of the membrane. For slip resistance purposes particularly in wet conditions it is recommended that Trugrip be used in preference to Aquatuff.

Trugrip:

Allow 12 to 24 hours for Rimseal 170R to cure. It must be over-coated within 24 hours to ensure intercoat adhesion. Make sure the surface is clean and dry. Apply 2 coats of Trugrip by roller, allowing the first coat to dry completely (2 to 4 hours – dependent on conditions) before applying the second coat. Coverage should be approximately 6 m²/l per coat providing a total of 3 m²/l for the 2 coats. For further protection and improved cleanability Trugrip may be over-coated with one or two coats of Clearseal or Aquatuff Clear. These can also be used coloured to give improved uniformity of colour and further improved resistance properties.

Aquatuff:

Allow 12 to 24 hours for the Rimseal 170R to cure. It must be over-coated within 24 hours to ensure intercoat adhesion. Be sure the surface is clean and dry. Apply 2 coats of clear or coloured Aquatuff by roller allowing 2 to 4 hours between coats, depending on weather conditions.

PRECAUTIONS:

Do not apply above 42°C or below 8°C ambient temperature. Do not cover until fully dry. Protect membrane against damage before and during backfilling or covering. Rimseal 170R should always be protected from UV exposure by covering with tiles, Enviropave products, sand-cement topping or soil etc. Protect membrane against the action of roots.

Polybond primer must not be left exposed or uncoated for any period greater than 24 hours. It must not be exposed to wet conditions which will intensify surface tension and prevent intercoat adhesion. Should such incident occur, the primer may require abrasive treatment and additional priming. Consult the manufacturer or their duty appointed representative for more specific details

WARNINGS AND HAZARDS:

Classified as Non Hazardous according to criteria of Worksafe Australia.

Keep away from heat and flame. Use only with adequate ventilation. Avoid contact with the eyes or skin, especially open breaks in the skin. In the event of skin contact, remove excess product and wash with warm soapy water. Refer to MSDS for important warnings and product information.

HANDLING AND STORAGE:

Rimseal 170R can be stored for 6 months at below 25°C. Avoid prolonged exposure to humidity or temperature above 30 °C. Avoid contamination with water or alcohols. This product is very sensitive to air and moisture. Once opened, containers should NOT be resealed for future use.

PACKAGING:

Rimseal 170R is supplied in a 20kg/15L metal can.

The information presented in this data sheet does not imply any warranty. Further, the maker reserves the right to alter the product, the specification and/or the application techniques as described herein without prior notice, in line with his policy of technological advancement and product improvement. Whilst any information and/or specification contained herein is to the best of our knowledge and experience, all of the above information must in every instance be taken as merely indicative and subject to confirmation after long-term practical applications. For this reason, anyone intending to use the product must ensure beforehand its suitability for the envisaged application. In every instance, the user alone is fully responsible for any consequences deriving from the use of the product. Furthermore, no warranty is given or implied in connection with any recommendations or suggestions made by us or our Representatives, Agents or Distributors as conditions of use and any labour involved beyond our control.



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