



SOLUTIONS FOR INDUSTRY

LiquidSeal

Water Based Membrane

Characteristics:

- Liquid Seal is a water based membrane for the sealing and long term protection of internal and external surfaces, which combines a high degree of extensibility, with considerable cohesive strength and a high level of water resistance.
- Liquid Seal has the ability to absorb considerable substrate movement and to bridge developing cracks, however should be installed in conjunction with a flexible taping system where it is required to contain water. It is eminently suitable to provide continuous flexible weatherproof membranes over roofing areas which maybe composed of a multitude of structural members.
- Liquid Seal is ultraviolet stable

Recommended Applications:

- For the deposition of weather resistant flexible membranes over large roof areas
- For the reclamation and repair of old roofing
- For general waterproofing and sealing, of balconies, decks, pools, and tanks.

Technical Data:

<i>Base:</i>	Modified acrylic
<i>Vehicle:</i>	Water
<i>Solids:</i>	72% (weight), 59% (volume)
<i>Specific Gravity:</i>	1.43
<i>Colour:</i>	Light grey.
<i>PVC</i>	33%
<i>Viscosity:</i> <i>(Brookfield)</i>	20 poises at 20°C
<i>Tensile Strength:</i> <i>(1mm film)</i>	1800KPa (28days 20°C 1700KPa 2000hrs QUV)
<i>Elongation:</i> <i>(1mm film)</i>	210% (28 days 20°C) 200% (200hrs QUV)
<i>Flexibility:</i>	Excellent, 2mm film, 180° angle no cracks
<i>Resistance to Water:</i>	Excellent, 100u film, 4 hrs, 20°C, 50% RH. No effect on exposure to running water, and water vapour.
<i>Permeability:</i>	1.32×10^{-9} Pa/sm ² (.23 inch/pound)
<i>Abrasion Resistance:</i>	400mg (Taber CS17, 1000 cycles, 1000g load).
<i>Flammability:</i>	Not flammable
<i>Toxicity:</i>	Nontoxic

Application:

- Liquid Seal is generally applied to the substrate with a brush, roller or flat trowel.
- Concrete or timber substrates should be primed with Uniprime prior to application of Liquid Seal.
- On rough surfaces, a brush should be used for the first coat at least, to ensure good penetration, and an even coat. Allow the first coat to dry completely prior to application of second and subsequent coats. The time for this to occur will be dependent on ambient conditions, including temperature, humidity, air movement, and absorption of the substrate (first coat only), but should be 30-60 minutes at 18-20 degrees C, and 75-80% RH.
- Do not apply if rain is imminent, or if the surface is likely to be wet prior to drying, and then a further 1-3 hours of cure.
- All internal corners, changes in plane, and joints in substrates should be taped with Butylbond flexible jointing tape prior to coating with LiquidSeal.

Clean up:

- LiquidSeal can be cleaned up with damp cloth while it is still wet, but clearly will be difficult to remove once dried and cured.
- Brushes, rollers and other tools and equipment can be cleaned up using water while the product is still wet, and any dried product can be scraped off metal surfaces, however dried product on brushes and rollers will render them unusable.

Coverage:

- Coverage will vary depending on the substrate condition and the number of coats applied.
- Coverage for the first coat should be around 1.5 sqm per litre, and subsequent coats should be around 2.0 sqm per litre.
- Overall application should be a minimum of 2 coats, with a total minimum coverage of around 0.5-0.8 sqm per litre. This will give an approximate film thickness of 1.0-1.5mm.

Packaging/ Shelf Life:

- Available in: 4 L, 15 L
- When stored in a cool environment, out of direct sunlight, Liquidseal should have a minimum storage life of approximately 24 months.

Handy Tips:

- LiquidSeal cures by evaporation, therefore substrate absorption, temperature, air movement and humidity, will all effect the drying and cure rates.
- While LiquidSeal is a high build product, the thicker it is applied the longer it will take to dry and cure.

Technical Data:

Properties	Results
Appearance	Grey viscous liquid
Density	1.43 Kg/L
Dry Time	Varies
Full Cure	48 hours after drying (@20 degrees C)
Liquid Seal carries a portable Water certificate	

The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturer's control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insist that all workmanship must be carried out in accordance with AS3958 part 1 1991. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.