

PRODUCT DATA SHEET

LIQUID RUBBER **Instant Set**

Instant Set is a modified, elastomeric bitumen emulsion, specifically formulated as a spray applied waterproofing membrane. It is part of a dual component system that is applied using a specially designed spray applicator. The technological advances in **Instant Set** produces a quick setting membrane that is non-toxic and solvent free with excellent strength, elasticity and adhesion.

Instant Set is ecologically and environmentally safe and can be applied both indoors and outdoors without the need for specialised personal protective equipment.

*** Free of flammable solvents * Non-toxic * Odourless and Water based**

PHYSICAL PROPERTIES (Liquid)	Typical Results
Specific gravity (liquid) g/cm ³	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% solids (wt)	60-63 %
Viscosity, SSF @ 25°C seconds	20-25
pH	10-12

PERFORMANCE (Cured membrane)	Typical Results
Colour	Black
Specific gravity, g/cm ³	Approximately 1.0
Chemical resistance	Resists salt water and most inorganic solutions
Biological resistance ASTM E154, ASTM D412	Passed (> 90% original value)
Impact resistance CSB 37-GP-56 @ 23°C, in-lbs Water tightness after impact	Passed (168) Passed (no leakage)
Tensile strength ASTM D412, kPa (psi)	>830 (120)
Elongation, % Recovery ASTM D412, %	>850 % 90%
Adhesion to Concrete, ASTM C836, N/m (lb/in) Adhesion to Concrete DeFelsco, kPa (psi)	303 (17) >1240 (>180)
Puncture resistance CGSB 37-GP-56	Passed (No perforations)
Accelerated weathering, ASTM G155, D412 Tensile strength	Passed (No deterioration of film) Passed (> 90% original value)
Hardness, Durometer Type 00 Hardness, Shore A	85-87 20
Underwriters Laboratories	Class A Fire Rating

USES

Instant Set is used as a waterproofing membrane for roof protection, water containment and corrosion protection. **Instant Set** can be applied over a wide range of substrates including existing BUR, rolled roofing membranes, corrugated steel roofing, plywood and asbestos panels, concrete, polyethylene membranes and shingles. It can also be applied over polyurethane foam or polystyrene board insulation.

APPLICATION

Instant Set is applied as a dual component system using a specially designed spray system. Both components of this system are water based and environmentally friendly. Applied at ambient temperature (above 5°C) **Instant Set** sets almost instantly, forming a seamless flexible membrane.

Instant Set is a safe alternative to conventional hot applied or solvent based roofing systems.

Instant Set should be applied to a dry surface which is free of dirt, debris, oil or grease. The product sets up rapidly; however, it is not recommended to apply any roofing product if heavy rains are imminent.

For best results apply in thin coats. With joints or cracks in the surface it is recommended that fabric reinforcing be used. In some cases initial 'flood coating' with one component may be recommended. See application manual or consult with your Liquid Rubber Manufacturing representative for further details.

Instant Set is to be applied between 1.5 L/m² to produce a 1 mm protective membrane to 3 L/m² to produce a 2 mm protective membrane. **Instant Set** will be dry to the touch in one minute @20°C and is largely cured within 48 hrs. Final cured properties may, however, not be realised for 28 days.

Typically an applicator crew can spray greater than 600 m² per day. Protection board or insulation may be applied to the membrane surface after an initial set time of 20 minutes.

LIMITATIONS

Instant Set is mildly alkaline. When applying this product observe normal safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS.

Instant Set should not be applied when the ambient temperature is below 5°C. The uncured membrane may be damaged if frozen. Do not apply to wet or frozen surfaces or directly before a rain.

Some surface base coat materials such as coal tar are unsuitable for use with **Instant Set**. Consult the **Liquid Rubber Manufacturing Pty Ltd** Technical Centre with any questions.

CAUTION

For industrial use only. Keep out of the reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using **Instant Set**.

TECHNICAL SERVICE

Call **Liquid Rubber Manufacturing Pty Ltd** 07 55680544

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS REGULATIONS.

Prepared by: **Liquid Rubber Manufacturing Pty Ltd**
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