

# Poly-Proof

## DESCRIPTION

*ACS Poly-Proof* is an advanced, high performance, one part, fast curing, high solids, rubber polyurethane waterproofing membrane.

*ACS Poly-Proof* has been designed where high build applications are required.

## FEATURES AND BENEFITS

- Quick access for tilers.
- Designed to allow application by 'flood coating', with out multi-layering.
- Fast cure.
- Resists the effects of ponding.
- Non hazardous.
- Immediate resistance to rain damage.
- Total adhesion.
- Flexible and high elasticity.
- Single pack.
- Low odour and non-staining.
- Will not become brittle with age.
- Complies with AS 3740.
- Forms a one piece membrane barrier.

## RECOMMENDED USES

*ACS Poly-Proof* can be used to waterproof:

- bathrooms shower trays,
- laundries balconies,
- roof decks,
- sill or window flashings,
- retaining walls,
- planters,
- ponds and water features, and
- landscaping areas.

## PACKAGING

*ACS Poly-Proof* is supplied in 16 litre pails.

## COVERAGE RATES

General:- Balconies, roof decks, retaining walls, and planters — 1.25litres/m<sup>2</sup>

Wet Areas: Floors — 1.5 litres/m<sup>2</sup> @ 1mm dry film thickness. Walls — 0.5 litres/m<sup>2</sup> @ 0.3mm dry film thickness.

## PERFORMANCE PROPERTIES

<b>Composition</b>	Polyurethane Elastomer
<b>Solids Content</b>	92%
<b>Service Temperature</b>	-10°C to 80°C
<b>Cure time—ready for Flood Test, tiling, topping</b>	8 hours
<b>Tensile Strength (AS1145)</b>	2 MPa
<b>Elongation (AS1145)</b>	600%
<b>Moving Joint Test</b>	Passed (CSIRO)
<b>Immersion (AS1145)</b>	Passed (Water, bleach, detergent)
<b>Peel Test (AS1526)</b>	Concrete = 167N Glass = 53N
<b>Accelerated Weathering</b>	Yellows

## SURFACE PREPARATION

All surfaces to be waterproofed should be clean, sound and dry. The concrete surface should be smooth. Concrete should be cured for 28 days and renders should cured for seven days.

Holes, non structural cracks and other surface deformities should be repaired prior to application of the waterproofing system.

All joints and fillets to internal corners and penetrations are to be sealed using *ACS Joint-Seal W25*.

## PRIMING

To reduce pin-holes and seal dusty porous surfaces, apply one coat of *ACS Poly-Proof* diluted with one to two parts of Solvent at 8-10m<sup>2</sup>/litre and allow to dry for one hour. Use *ACS Barrier Seal WB* to seal any damp or green concrete. Roughen surface of any PVC or Stainless Steel.

## DETAILING

Detail all joints, up-turns, cracks, outlets, penetrations, and internal corners with *ACS Flexi-Proof Tape*, ensuring the tape is centred in relation to the detail.

## APPLICATION

Apply *ACS Poly-Proof* liberally by brush, squeegee, roller or spray in two or more coats to a desired uniform membrane thickness. Allow to dry fully between coats. *ACS Poly Proof* can be applied in a single flood coat method (see manufacturer for details).

If after trades such as cement based toppings or tile adhesives are to be placed directly to the membrane the wet surface of the membrane must be seeded with clean dry sand such as *River Sands W9*. The finished *ACS Poly Proof* may be subjected to foot traffic eight hours after installation.

The following surfacing systems may be used after the *ACS Poly-Proof* has fully cured:

### **Tiles**

Ceramic tiles may be laid on a mortar bed or otherwise fixed directly with fully guaranteed *ACS Tile Adhesive*.

### **Tanking**

Cover with *ACS Protection Board* or drainage board or system prior to backfill or landscaping.

## CLEAN UP

Use cleaning solvent or methylated spirits before material has cured.

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## STORAGE

Store between 10°C and 30°C away from direct sunlight. Shelf life is 6 months in original unopened container. Partly used containers must be sealed tight when not in use.

## SHELF LIFE

Up to 6 Months if kept in cool, dry store but once opened will become solid in a few days.

## HEALTH AND SAFETY

*ACS Poly-Proof WPM* is classified non-hazardous under work safe guidelines, however all manufactured products should be handled with care and due diligence:

- If swallowed do NOT induce vomiting – give glass of water.
- If in eyes, hold eyes open, flush with water for at least 15 minutes.
- If skin contact occurs wash skin thoroughly do not use solvents.

For further information on above products, please refer to the relevant Material Safety Data Sheet.

**Please Note:-** The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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