



## SmartSeal WB

### Flexible Acrylic Waterproofing

**SmartSeal WB** is a single component, non-hazardous liquid applied membrane of pure acrylic polymer which is tough, durable and has excellent weather resistance. It provides a seamless membrane for application on roof and all waterproofing and exposed areas of a building. It can also be used vertically and horizontally over concrete, block, brick, cement render, fibrous cement sheets, plasterboard, tile underlay, metal sheets and many other sound surfaces.

### FIELDS OF APPLICATION

- Bathroom and Shower Trays
- Laundries
- Perimeter Flashings
- Planter Boxes
- Garden Beds
- Sill and Window Flashing
- Plant Room Floors
- Retaining Walls
- Water Features
- Basement Tanking
- Podium Slabs and Roof Decks

### BENEFITS

- Withstands foot traffic and light – wheel traffic
- Resistance to diluted chemicals such as acids, oils, detergents, alcohols etc.
- Single component, requires only addition of water
- Homogeneous waterproof barrier with no laps, joints or overflashing
- No lingering objectionable solvent or chemical smell
- Will not deteriorate or discolour if exposed to external weathering
- Adheres tightly to all metal and concrete surfaces and accepts all suitable premium quality adhesives
- It can bridge hairline and minor cracks
- Will not re-emulsify or deteriorate in constantly wet conditions

### TECHNICAL DATA

PROPERTY	TYPICAL RESULTS	
Composition	Pure acrylic polymer	
Service Temperature	-10°C to 80°C	
Specific Gravity	1.25 ± 0.5	
Solids	65%	
Loss on Heating	1.02%	
Tensile Strength (AS 1145)	2.55 N/mm <sup>2</sup>	
Elongation (AS 1145)	550%	
Water Vapour Transmission (ASTM E96)	5.90 g/m <sup>2</sup> /day	
Peel Test (AS 1526)	Concrete	167 N
	Glass	53 N
Chemical Immersion (AS 1145)	Passes (Water, Bleach, Detergent)	
Moving Joint Test (CSIRO)	Passed	
Accelerated Weathering (ASTM D822A)	No defects	

• All the data shown are based on controlled laboratory test (T=27±2°C and RH=60%)

### SURFACE PREPARATION

- The substrate must be sound, clean, dry and free from any dirt, oil, grease, loose matter and other contaminants. Surface defects must be made sound. Minimum recommended curing period of 14 days for concrete and 7 days for plaster/render is recommended.

## **PRIMING**

- All walls and floors to be protected with **SmartSeal WB** should be primed with diluted **SmartSeal WB** (4 part **SmartSeal WB** with 1 part water by volume), at a rate of approximately 9 m<sup>2</sup> per litre. The primer may be applied by brush or roller and should be worked into the surface to ensure pores, hairline cracks or pinholes are filled. It will be touch dry in about 20 minutes at 25°C and 50% Relative Humidity (RH).

## **PLACING**

### **High Stress Areas**

- All areas of high stress such as joints, cracks, penetrations, outlets, internal corners, skirtings etc. must have a waterproofing mortar fillet and shall receive more coats of **SmartSeal WB**, approximately 150 mm wide.

### **Floors / Roofs**

- For fully prepared surfaces, apply the 1st coat of **SmartSeal WB** by brush, roller or trowel. Whilst wet, completely embed a layer of alkaline resistant fiberglass reinforcement mat followed by 2nd coat of **SmartSeal WB**. Allow to thoroughly dry before proceeding with 3rd and finishing coats. Average usage rate will range from 1.5 m<sup>2</sup> - 2.5 m<sup>2</sup> per litre per coat respectively.

### **Walls**

- After priming, apply one or two coats of **SmartSeal WB** to achieve a dry film thickness of 300 microns, where full tanking is not required. This application rate may be increased where service requirements are severe.

## **PRECAUTIONS**

- Avoid eye and skin contact as the product is alkaline.
- Gloves, goggles and dust mask should be worn.
- Wash thoroughly after handling.
- In case of eye contact, flush with plenty of clean water. Seek medical help immediately.

## **PACKAGING & STORAGE**

**SmartSeal WB** is available in 20 litre pails and has a shelf life of 12 months if stored in a cool and dry place in sealed packaging with sheltered protection from rain and sunlight.

## **DISCLAIMER**

All information was prepared carefully, using current references available to us. Information provided is to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of information provided here for their intended use. We do not accept liability for any loss or damage that may occur from the use of this information.