

ALSAN EP 100 H₂O

TECHNICAL DATA SHEET

ANZ-TDS-01-ALSAN EP 100 H2O

DESCRIPTION

ALSAN EP 100 H₂O is a two component water base epoxy primer that can be applied as a first coat in many of our ALSAN polyurethane systems to enhance the adhesion of the coating to most building substrates.

USE - APPLICATION

- Primer for damp surfaces
- Primer for acrylic and polyurethane membranes
- Primer for Scyon sheeting

APPLICATION PROCEDURE

SAFETY PRECAUTIONS

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber must be suitable for intermittent contact.

SUBSTRATE

Suitable for:

- Properly prepared in situ, precast and tilt up concrete;
- Block work;
- Compressed fibre cement sheeting, plasterboard, James Hardie™ Scyon™ Secura™ sheeting.

Preparation:

All surfaces to be coated must be firm, clean, dry, sound and smooth. All laitance, grease, oil, wax, curing compounds, loose material, paint and any other contaminants which may reduce or prevent adhesion must be mechanically removed. Masonry surfaces must be pointed flush and surface defects repaired. Fibre cement sheeting and water resistant plasterboard must be installed in accordance with the manufacturers' installation requirements.

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MIXING

Alsan EP 100 H₂O must be mixed with an electric mixer with a high shear mixing paddle. Premix each individual component then join the two components, mixing thoroughly for a no less than 5 minutes until a blended, homogenous liquid is obtained. Avoid trapping air during mixing as this may cause pin holing. Only mix as much product as can be used within the pot life of the product.

APPLICATION

Apply with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Successive coats must be applied at right angles to the previous coat. Each coat must be applied to achieve a 200 micron wet film thickness. Test the depth of coats with a wet film thickness gauge at regular intervals.

LIMITATIONS

Do not apply Alsan EP 100 H₂O:

- As a waterproofing membrane. Alsan H₂O Epoxy Primer must be coated with an appropriate waterproofing membrane from the Soprema range;
- In areas subject to UV light exposure. Apply UV resistant top coat from the Soprema range;
- On metallic substrates;
- If it is raining or rain is imminent.

PHYSICAL PROPERTIES AND PERFORMANCE DATA*

Property	Alsan EP 100 H ₂ O
Colour	Pipeline Grey N35
Pot life	1 hour at 20°C
Mix ratio	1:1 - A:B by volume
Re-coat	4-5 hours
Full Cure	5-7 days
Coverage	4-5m ² /litre/coat
Solids Content	47% by volume

*@23°C and 55%RH

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PACKAGING AND STORAGE

- Sold in 20 litres kits (10 litre part A and 10 litre part B)
- Shelf life of product is 12 months in unopened container
- Must be stored above 5°C

PRECAUTIONS

Refer to Alsan EP 100 H₂O MSDS prior to use. Alsan EP 100 H₂O cure rates will be dramatically slowed if the relative humidity is above 85%. Do not add cementitious products to Alsan EP 100 H₂O.

In enclosed areas, such as water tanks, or cubicles, ventilation must be provided to enable adequate evaporation of the coating. Allow to cure for a minimum of 24 hours at 25°C/50% RH before applying waterproofing membranes, adhesives, mortars, decorative coatings or other surface treatments. Discard any material that has exceeded the pot life or working time of the product. Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface.

Alsan EP 100 H₂O is rigid when cured and will not absorb movement cracks.

Subsequent coatings must be applied within 48 hours of the application of Alsan EP 100 H₂O.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.

Note: Field service where provided, does not constitute supervisory responsibility. Suggestions made by Soprema Australia Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Soprema Australia Pty Ltd are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
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Author	JJ