



WATERPROOFING

APPLICATIONS

ROOFS

BALCONIES

INDOOR APPLICATIONS

ALSAN 310 H₂O

TECHNICAL DATA SHEET

ANZ-TDS-06-ALSAN 310 H₂O

DESCRIPTION

ALSAN 310 H₂O is a single component, elastomeric, fibre reinforced, UV resistant, water based polyurethane membrane.

ALSAN 310 H₂O is suitable for rooftops, decks and balconies. It can also be installed in wet areas such as shower recesses, bathrooms and laundries.

ALSAN 310 H₂O is a Class III membrane in accordance with AS 4858 and AS 4654.1

INSTALLATION PROCEDURE

SUBSTRATE:

- Suitable for:
 - Properly prepared in situ, precast and tilt up concrete
 - Render
 - Screeds
 - Fibre-cement sheeting
 - Wet area grade plasterboard
 - PPA certified structural
 - Marine plywood
 - Scyon sheeting

- All surfaces to be waterproofed 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.
- New concrete must be cured for minimum 28 days. All concrete must be completely dry and primed. Render and cement screeds must be cured for minimum 7 days. Damp concrete, render or screeds must be allowed to thoroughly dry and primed with ALSAN EP 100 H₂O. Fibre cement sheeting, water resistant plasterboard, PAA structural and marine plywood and Scyon sheeting must be installed in accordance with the manufacturers' installation requirements.
- Install a bond breaker/fillet using appropriate sealant/bond breaker material at all horizontal and vertical transitions.
- For cracks less than 1mm, clean cracks thoroughly before filling appropriate sealant/bond breaker material.
- ALSAN 310 H₂O cannot span gaps.

PRIMING:

- Apply the ALSAN EP 100 H₂O to the prepared substrate by using a brush or roller in accordance with the relevant product's Technical Data Sheet.
- Allow the ALSAN EP 100 H₂O to fully dry prior to commencing the application of ALSAN 310 H₂O

APPLICATION:

- Prior to application, stir the contents thoroughly. Using a brush or roller, apply the first coat of ALSAN 310 H₂O after the primer has sufficiently dried. Apply an even and consistent coat of approximately 0.75mm wet film thickness.
- Once the first coat has dried, apply a second coat of ALSAN 310 H₂O at right angles to the first coat. Apply an even and consistent coat of approximately 0.75mm wet film thickness.
- ALSAN 310 H₂O must be applied with a minimum of two coats to achieve a dry film thickness of not less than 1.0mm (1000 microns). Test the depth of coats with a wet film thickness gauge at regular intervals during installation.
- Allow 2-4 hours between coats.
- Allow 48 hours cure time prior to tiling.
- Allow longer drying times in cool or damp weather conditions.

- Safe and easy to use
- Low VOC content
- Resistant to UV rays
- Quick drying time
- Excellent adhesion to a variety of substrates



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CLEANING

Clean tools and equipment with warm water and detergent while the membrane is still wet. Cured ALSAN 310 H₂O can be cleaned with an alcohol based solvent or by mechanical means.

RESTRICTIONS

Do not apply ALSAN 310 H₂O:

- Over damp, wet or contaminated substrates
- If it is raining or if rain is imminent
- Directly over any existing coatings
- As a primer for solvent based coatings
- Directly over particle board flooring. (Ceramic tile underlay must be installed)
- Where the ambient or surface temperatures are below 10°C or greater than 35°C

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PHYSICAL PROPERTIES (WET FILM)*

PROPERTIES	ALSAN 310 H ₂ O
Physical state	Liquid
Colour	Light Grey N35
VOC content	25 grams/litre
Dry solid content	65%
Coverage	Floors 1.5 l/m ² at 1 mm dry film thickness ; Walls 0.75 l/m ² at 0.5 mm dry film thickness
Packaging	15 l
Pails per pallet	32

PHYSICAL PROPERTIES (CURED FILM)*

PROPERTIES	ALSAN 310 H ₂ O
Elongation	300%
Water vapour transmission	3.13 g/m ² /24hrs

*@23°C and 55%RH

SAFETY & FIRST AID

Avoid contact with skin and eyes. Wear splash proof goggles and rubber or PVC gloves at all times.

STORAGE AND HANDLING

Shelf life of product is 12 months in unopened container, if stored at high temperatures, the shelf life may be reduced.

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 and/or the contractor are responsible for checking the suitability of products for their intended use.



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