ALSAN
EP 100 H_2O

TECHNICAL DATA SHEET

ANZ-TDS-01-ALSAN EP 100 H_2O

ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

PARKING DECKS

ADDITIONAL EXPERTISE

DESCRIPTION

ALSAN EP 100 H_2O 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.

INSTALLATION PROCEDURE

SUITABLE SUBSTRATE:

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

SURFACE PREPARATION:

- Concrete must be fully cured (28 days) with a minimum hardness of 24 MPa (3500 psi). Surface needs to be sound, clean and free of dust or debris
- Concrete surface must be prepared to obtain concrete a surface profile (ICRI CSP) of 2, 3 or 4. To obtain this profile, the use of special equipment, such as shot blasting, is recommended
- Cracks of more than 1.6 mm width need to be repaired with compatible polyurethane sealant
- When needed, concrete reparation must be done with appropriate products

MIXING:

- ALSAN EP 100 H_2O 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 pinholing
- 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 H_2O:

- As a waterproofing membrane. ALSAN EP 100 H_2O must be coated with an appropriate waterproofing membrane from the SOPREMA range
- In areas subjected to UV light exposure, apply UV resistant top coat from the SOPREMA range
- On metallic substrates
- If it is raining or rain is imminent

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

TDS_ALSAN_EP_100_H_2O_11-2020

SOPREMA®

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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OTHERS

PACKAGING

SPECIFICATIONS	ALSAN EP 100 H_2O
Physical state	Liquid
Colour	Pipeline grey N35
Coverage	4-5 m2/litre/coat Wet film thickness 200 µm per coat
Mix ratio	1:1 - A:B by volume
Packaging	20 l (10l Part A & 10l Part B)
Kits per pallet	16

PROPERTIES

PROPERTIES	ALSAN EP 100 H_2O
Solids by weight	47 %
Pot life @ 22 °C	1 hour at 20°C
Full Cure	5-7 days
Re-coat	4-5 hours (@23°C and 55%RH)

PRECAUTIONS

Refer to **ALSAN EP 100 H_2O** MSDS prior to use.

ALSAN EP 100 H_2O cure rates will be dramatically slowed if the relative humidity is above 85%.

Do not add cementitious products to **ALSAN EP 100 H_2O**.

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 H_2O 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 H_2O**.

STORAGE AND HANDLING

Shelf life of **ALSAN EP 100 H_2O** is 12 months, when properly stored in original unopened containers.
Containers **MUST NEVER BE STORED AT TEMPERATURES BELOW 5 °C**.

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.