

ALSAN EP M

TECHNICAL DATA SHEET

ANZ-TDS-18-ALSAN EP M



ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

CIVIL WORKS

DESCRIPTION

ALSAN EP M is a two component, non sag, high strength epoxy adhesive. It is intended for bonding of SOPREMA waterproofing bituminous and PVC membranes to a variety of common building materials on vertical and horizontal surfaces.

FIELD OF APPLICATION

ALSAN EP M is recommended for the following general uses:

- Bonding SOPREMA waterproofing membranes to concrete and metal surfaces
- Crack repair
- Grouting/fixing anchor bolts

INSTALLATION PROCEDURE

SUBSTRATE:

- Clean the surface and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surface and remove any laitance and expose aggregate by light scabbling or grit-blasting.
- For painted surfaces: remove all paint or coatings using a paint stripper or mechanically abrade surface.

MIXING:

- The mix ratio is 1:1 by volume, 1 parts Part A and 1 part Part B. Care should be taken to ensure that ALSAN EP M is thoroughly mixed.
- The entire contents of the hardener (Part B) tin should be poured into the base (Part A) tin and the two materials thoroughly mixed using a suitable slow-speed drill and high shear mixing paddle.
- Mix for 2 minutes until a fully uniform grey colour is obtained; the sides of the tins should be scraped, mixing should continue for a further 2 minutes. DO NOT OVER MIX AS THIS MAY INCORPORATE AIR BUBBLES.
- To facilitate mixing and application at temperatures below 10°C, the separate components should be warmed in hot water bath or conditions to room temperature, up to a maximum temperature of 25°C before beginning to mix. If heated to 25°C, the subsequently mixed material will have a pot life that will be reduced to 45 minutes.
- Alternatively, the material should be stored in an environment controlled to 20°C and only removed immediately before use. Working time up to 45min at 25°C. ONLY MIX MATERIAL THAT CAN BE USED WITHIN THE SETTING TIME.

APPLICATION:

- ALSAN EP M should be applied as soon as the mixing process has been completed.

CLEANING:

- Clean up should be done as soon as possible after mixing using warm water with soap or detergent.

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

Safe and easy to use

Permanent bond in 5-6 hours

High tensile and compressive strength

Excellent chemical resistance

Great adhesion to a variety of substrates



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PACKAGING

SPECIFICATIONS	ALSAN EP M
Appearance	Part A: White / Part B: Black / Grey when mixed
Coverage	1 l/m ² at 1 mm thick
Mix ratio	1:1 (Part A:B) by volume
Packaging	20 l (10 l Part A & 10 l Part B)
Kits per pallet	16

PROPERTIES

PROPERTIES*	ALSAN EP M
Mixed consistency	Thixotropic paste with no sag or slump
Appearance	Part A: White / Part B: Black / Grey when mixed
Specific Gravity	1.45 / Lt
Solid Content	100%
Chemical Resistance	Excellent (see chart)
Heat Distortion Temp	90°C
Pot Life	50-60 min @ 25°C
Compressive Strength	100 MPa
Flexural Strength	22 MPa approx.
Modulus of Elasticity	Approx. 11x10 ³ MPa
Hardness	>80 shore D
Service Temp	-20°C to +70°C
Cure time @ 25°C	12 hours
Full cure @ 25°C	3 days
Min application temperature	7°C
Working time	Approx 45 min @ 25°C
Bond Strength	>15 MPa

* Tested to ASTM D570



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CHEMICAL RESISTANCE**

CHEMICAL	ALSAN EP M
Citric Acid 100%	Excellent
Acetic Acid 5%	Excellent
Sodium Hydroxide 30%	Excellent
Diesel fuel/petrol	Excellent
Sugar Solutions	Very good
Tartaric Acid 100%	Very good
Hydrocarbons	Very good
Phosphoric Acid	Very good

**Resistant to spillage. Surface staining may result from exposure to some aggressive chemicals. All spills should be quickly removed and washed. Over exposure may result in surface degradation.

IMPORTANT NOTES:

- **ALSAN EP M** when mixed in large volumes greater than 10 litres, is highly likely to cure faster reducing the pot life of the mixed material in the tin.
- Low severely affect the ultimate performance of the product.
- Only mix as much **ALSAN EP M** that can be used within the pot life (45-60 minutes at 25°C).
- Surfaces must be rigid. Not suitable for blueboard, cement sheeting or any other compressed material may cause substrate to internally delaminate under stress.
- Not recommended for sandstone and other fissile stones – these stones can be porous or veneered which will cause the bond to fail by delamination of the stone surface.

SAFETY & FIRST AID

Avoid contact with skin and eyes and avoid breathing the vapors. Store under cover, out of direct sunlight and in a well ventilated area. Keep away from all sources of ignition – no smoking.

If poisoning occurs contact a doctor or Poisons Information Centre. If swallowed, DO NOT induce vomiting. Give a glass of water.

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Refer to Material Safety Data Sheet for further information.

STORAGE AND HANDLING

Shelf life of **ALSAN EP M** is 2 years, when properly stored in original unopened containers. Containers is stored between 5°C and 35°C in an unopened container. Must be stored above 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.



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