# ALSAN FLASHING

TECHNICAL DATA SHEET

ANZ-TDS-14-ALSAN FLASHING

BRANZ Appraised
Appraisal No.1145 [2021]

WATERPROOFING

APPLICATIONS
ROOFS
FOUNDATIONS
ADDITIONAL EXPERTISE

## DESCRIPTION

ALSAN FLASHING is a waterproofing one-component polyurethane / bitumen resin. It is dedicated to roof flashings and details where it is difficult to apply waterproofing membranes.

ALSAN FLASHING is ready to use.

- Compliance with AS 4654.1
- One component, no mixing required
- Superior protection against moisture
- Conforms easily to any irregular shapes
- Great for quick, cost effective repairs

## FIELD OF APPLICATION

- General roofing
- Plaza decks & Terraces
- Balconies
- Foundations

## INSTALLATION PROCEDURE

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 surface profile (ICRI CSP) of 3 or 4. To obtain such a profile, the use of special equipment such as shot blasting is recommended
- Without primer: traditional granulated and sanded bituminous waterproofing membranes, wood, metal, prepaint metal, concrete, polyurethane membrane (TRAFIK HP) and PVC pipe (vertical partition wall only)
- With primer (ELASTOCOL STICK): membranes with HDPE surface
- PVC pipe must be sanded with sandpaper
- All metal surfaces must be cleaned with non-greasy solvent such as acetone or Methyl Ethyl Ketone (MEK). Metals surfaces must be smooth, clean and uncontaminated (free of oxydized bitumen)
- When needed, concrete reparation must be done with appropriate products

APPLICATION:

- Mix well the product before use,
- ALSAN FLASHING is applied with a with a trowel, a brush or a roller in two (2) layers, or in three (3) layers when POLYFLEECE is required. Each layer must have a minimum wet film thickness of 0.8mm (30 mil), the third layer is requiered when granules are used.
- Transitions, changes in plan and junctions between two supports, must be reinforced with POLYFLEECE. POLYFLEECE is installed in a first layer of ALSAN FLASHING. This layer must be thick enough to completely immerse the reinforcement. POLYFLEECE will be immediately covered with a second layer of ALSAN FLASHING until saturation
- Third coat will be apply waiting 3h or when the second coat is tacky free
- ALSAN FLASHING is UV resistant. It can be left exposed without protection. For aesthetic purposes, the top coat can also be covered with roofing granules
- Do not use if rain or snow is predicted within 12 hours after the installation

For proper curing, minimum application temperature is 5°C.
Service temperature: -30 to 150°C.

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

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## PACKAGING

| PACKAGING | Coverage | Wet film thickness | Dry film thickness |
|---|---|---|---|
| ALSAN FLASHING 3.78 L | 4.6 $m^2$ | 0.8 mm | 0.6 mm |
| ALSAN FLASHING 19 L | 23 $m^2$ | | |

## PROPERTIES

| PROPERTIES | TEST METHOD | ALSAN FLASHING REINFORCED* |
|---|---|---|
| Physical state | - | Brown viscous liquid |
| Density at 25 °C | - | 1.07 kg/L |
| Solids content | - | 80 % |
| Softening point | - | 150 °C |
| Ultimate elongation | ASTM D412 | 500 % |
| Breaking strength | ASTM D412 | 1.35 MPa |
| Peel resistance | ASTM D903 | 102.3 N |
| Tear resistance | ASTM D 5147, sec.7 | 253.5 N |
| Water vapour permeance | ASTM E96 (Procedure B) | < 30 ng/Pa•s•$m^2$ (< 0.47 perm) |
| Peel adhesion after water immersion | ASTM C836 | 792 N/m |
| Drying time | - | Ready to recoat after 2 hours<br>Dry: 12 hours (remains tacky to touch) |
| Fully cured* | - | 3 days |
| Abrasion resistance* | AS 1580.403.2 | Pass |
| Bond Strength* (on granulated membranes) | ASTM D903 | > 1000 N/m |
| Cyclic Movement* | CSIRO Moving Joint Test | Pass |
| Elongation at Break* | AS1145 | > 200% |
| Heat Aging* | Appendix A4- AS4654 | Pass |
| Temperature Resistance* | AS 4654.2 | Pass |
| Tensile Strength at max load* | Appendix A4-AS 4654 | > 6.5 kN/m |
| UV resistance / Durability* | Appendix A4- AS 4654 | Pass |

* with Polyfleece

## STORAGE AND HANDLING

Shelf life: 12 months, pot must be stored in the delivery packaging, in a dry and protected environment.

## 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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