

ALSAN FLASHING

TECHNICAL DATA SHEET ANZ-TDS-14-ALSAN FLASHING

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.

RECOMMENDED SUBSTRATES

Without primer: traditionnal bituminous waterproofing membranes, wood, metal, prepaint metal, concrete, polyurethane membrane (TRAFIK HP) and PVC pipe (vertical partition wall only);

With primer (ELASTOCOL 500): BUR bituminous waterproofing;

With primer (ELASTOCOL STICK, ELASTOCOL STICK ZERO): membranes with HDPE surface.

SURFACE PREPARATION

Surfaces must be clean, dry and free of loose particles, formwork, curing products, irregularities, slurry, etc.

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).

INSTALLATION

ALSAN FLASHING is applied with a with a trowel, a brush or a roller in two (2) layers (minimum) or in three (3) layers when FLASHING REINFORCEMENT is required. Mix well the product before usage.

Transitions, changes in plan and junctions between two supports, must be reinforced with FLASHING REINFORCEMENT. ARMATURE FLASHING is installed in a first layer of ALSAN FLASHING. This layer must be thick enough to completely immerse the reinforcement.

FLASHING REINFORCEMENT will be immediately covered with a second layer of ALSAN FLASHING until saturation. The third layer of ALSAN FLASHING is applied when the second layer is dry and tack 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 or for aluminium colour with SOPRALASTIC 124 ALU waterproofing coating . The third coat of ALSAN FLASHING can be substitute by white aliphatic two-components ALSAN FINISH polyurethane coating.

Minimum application temperature: 5 °C

Service temperature: -30 to 150 °C

Do not use if rain or snow is predicted within 12 hours after the installation.

COVERAGE

Coverage by layer			
	Coverage*	Thicknesses	
		wet mm	wet mils
Average consumption	3.78 L (1 US Gallon) covers approximately 4.6 m ² 18.9 L (5 US Gallons) covers approximately 23 m ²	0.8	30

* Coverage rates may vary depending on substrate conditions.

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PROPERTIES

Properties	Standards	ALSAN FLASHING
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
Tear 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 Dry: 12 hours (remains tacky to touch)
Fully cured	-	3 days

(All values are nominal)

ADDITIONAL CHARACTERISTIC

ALSAN FLASHING complies with AS 4654.1.

Properties	Standards	ALSAN FLASHING REINFORCED*
Abrasion resistance	AS 1580.403.2	Pass
Bond Strength**	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	Appendix A4- AS 4654	Pass
Durability	Appendix A4- AS 4654	Pass

* with Flashing Reinforcement

** on granulated membranes

PACKAGING

3.78 L and 19 L pails.

STORAGE & HANDLING

Shelf life: 12 months, properly stored in original unopened containers. For more information, refer to instruction on the label of the can and to relevant Material Safety Data Sheets (MSDS).



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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.

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DOCUMENT CONTROL	
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