ALSAN
FLASHING JARDIN

TECHNICAL DATA SHEET

ANZ-TDS-59-ALSAN FLASHING JARDIN

WATERPROOFING

APPLICATIONS

ROOFS

GREEN ROOFS

ADDITIONAL EXPERTISE

DESCRIPTION

ALSAN FLASHING JARDIN is a single-component, ready-to-use watertight bitumen-polyurethane resin, to be used to waterproof upstand, planters, roof edges and all kinds of difficult roof details.

ALSAN FLASHING JARDIN bitumen mass contains anti-root penetration properties for green roofs and complies with EN 13948 and FLL procedure.

ALSAN FLASHING JARDIN has CE marking according to the European Technical Assessment n°08/0114.

- Compliance with AS 4654.1
- One component, no mixing required
- Superior protection against moisture
- Conforms easily to any irregular shapes
- Anti-root properties

FIELD OF APPLICATION

- General roofing
- Plaza decks & Terraces
- Retainning walls
- Planter boxes

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 profi le, the useof special equipment such as shot blasting is recommended,
- Without primer: traditionnal 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 JARDIN** 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 0.8 mm (30 mil),
- Transitions, changes in plan and junctions between two supports, must be reinforced with POLYFLEECE. POLYFLEECE is installed in a first layer of **ALSAN FLASHING JARDIN**. This layer must be thick enough to completely immerse the reinforcement. POLYFLEECE will be immediately covered with a second layer of **ALSAN FLASHING JARDIN** until saturation,
- Third coat will be apply waiting 3h or when the second coat is tacky free,
- **ALSAN FLASHING JARDIN** 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 150ºC.

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

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PACKAGING

PACKAGING	Application	Corner reinforcement	Consumption 1st layer	Consumption 2nd layer
2.5 kg / 5 kg / 15 kg	Horizontal	POLYFLEECE bonded to the substrate using ALSAN FLASHING JARDIN (500 g/m²)	800 g/m²	800 g/m²
	Vertical		900 g/m²	700 g/m²

PROPERTIES

PROPERTIES	TEST METHOD	ALSAN FLASHING JARDIN
Minimum layer thickness	CUAP 04.20-20 : 2007	1.2 mm
Drying time		Recoverable after 2 hours Dry : 12 hours (still sticky to the touch)
Water vapour resistance factor		NPD
Resistance to wind loads		NPD
External fire performance		F_{ROOF}
Reaction to fire		F
Watertightness		Watertight
Maximum tensile strength (new state) Elongation at break (new state)		≥ 2.5 MPa ≥ 300 %
Adhesive tensile strength on : Thermofusible film Metallic self-protection Sanded self-protection Slate chippings self-protection Concrete		≥ 200 KPa ≥ 300 KPa ≥ 300 KPa ≥ 300 KPa ≥ 800 KPa
Resistance to impact		H ≥ 1.5 m
Resistance to fatigue movement 20°C / 500 cycles on new products 20°C / 500 cycles on aged products		No cracks, no loosening of layers, no splits, no loss of adhesion: watertight
Differential movement on vertical and horizontal side.		watertight
Resistance to thermal ageing during 70°C, 84 days		
Cold bending Tensile properties: Maximum tensile strength Elongation at break		No cracks at -36°C ≥ 2 MPa ≥ 400 %
Resistance to UV ageing Cold bending Tensile properties: Maximum tensile strength Elongation at break		No cracks at -36°C ≥ 2 MPa ≥ 300 %

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PROPERTIES

PROPERTIES	TEST METHOD	ALSAN FLASHING JARDIN
Resistance to stagnant water ageing Adhesive tensile strength on: Thermofusible film Metallic self-protection Sanded self-protection Slate chippings self-protection Concrete	CUAP 04.20-20 : 2007	≥ 200 KPa ≥ 150 KPa ≥ 300 KPa ≥ 300 KPa ≥ 300 KPa ≥ 700 KPa
Runoff of water on the flashing (outdoor severe exposure - 12 months) Peel resistance Initial state After 12 months		≥ 50 N / 50 mm ≥ 80 N / 50 mm
Compressibility test at 10% On insulation On concrete On steel		≥ 70 KPa ≥ 70 KPa ≥ 70 KPa
Compression load until the ruin On concrete On steel		≥ 200 KPa ≥ 200 KPa
Resistance test to temperature Sliding at 150°C		≤ 0.50 mm
Compatibility product / membrane Peel resistance Thermofusible film Mean resistance (new state) Mean resistance (after exposure at 80°C) Metallic self-protection Mean resistance (new state) Mean resistance (after exposure at 80°C) Sanded self-protection Mean resistance (new state) Mean resistance (after exposure at 80°C) Slate chippings self-protection Mean resistance (new state) Mean resistance (after exposure at 80°C)		NPD NPD NPD NPD ≥ 70 N / 50 mm ≥ 120 N / 50 mm ≥ 150 N / 50 mm ≥ 180 N / 50 mm
Flexibility at very low temperature		No cracks at -36°C
Resistance to plant root		NPD

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STORAGE AND HANDLING

Shelf life: 12 months in original, unopened container turned upside-down, away from heat sources in a dry and protected condition.

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.