

ALSAN FLASHING QUADRO

Liquid waterproofing membrane with root resistance

January 2025

DESCRIPTION:

ALSAN FLASHING QUADRO is a single-component, polyurethane resin for waterproofing junctions between horizontal surfaces, up-stands and various roof details in compliance with the highest solicitation category according to ETAG 005.

ALSAN FLASHING QUADRO is a root and rhizome resistant resin according to the FLL test method, is used for flameless waterproofing junctions between various roof details of heat sensitive substrates of roofs and buildings.

ALSAN FLASHING QUADRO is simple and quick to prepare as it doesn't require a catalyst or activator. The thixotropic consistency makes it easy to install and can be applied without a primer to concrete, wood, bitumen, PVC and many metals.

FIELD OF APPLICATION:

- General roofing
- Plaza decks & Terraces
- Retaining 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, substrate moisture must not exceed 5% by mass or 16% by volume.
- 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. When needed, concrete reparation must be done with appropriate products.
- Without primer: traditional granulated and sanded bituminous waterproofing membranes, wood, metal, prepaint metal, concrete, polyurethane membrane (TRAFIK HP) and PVC pipe.
- With primer (ALSAN 104): membranes with HDPE surface, untreated copper, stainless steel, TPO & EPDM (ALSAN 103).
- 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). Metal surfaces must be smooth, clean and uncontaminated (free of oxidised bitumen).

APPLICATION:

- Mix well the product before use.
- The first layer of ALSAN FLASHING QUADRO is applied with a brush or a roller at approx. 2kg/m² (approx. 2/3 of the product).
- Apply ALSAN FLEECE 110 P or 165 P, already cut to size, into the fresh embedding layer and immediately worked into the resin with a roller to remove any bubbles. Excess material will pass up/out through the open-pored fleece. If too little material was applied, white patches will be visible when the fleece is folded back.
- It is essential for the fleece overlaps to be at least 5 cm wide. The resin must also be applied in between the overlaps.
- Additional layers of fleece must be embedded on internal and external corners, and sufficient material again applied when embedding layers in those areas. This step can also be carried out wet in wet, which means there is no interval between the individual applications of these layers.
- Without any interval, the ALSAN FLEECE 110 P or 165 P can be covered immediately with another layer of ALSAN FLASHING QUADRO at approx. 1.0 kg/m² (approx. 1/3 of the product).

For complete information on product installation, please consult your Equus Representative.



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TECHNICAL DATA:

PACKAGING	ALSAN FLASHING QUADRO
Reinforcement	Alsan fleece 110 P or 165 P
Colour	RAL 7012 On demand: RAL 7022/RAL 7040/RAL 9005
Packaging	5 kg/10 kg
Pail per pallet	82 or 42

PROPERTIES	ALSAN FLASHING QUADRO
Consumption	3 kg/m ²
Drying time at 23°C	Rainproof: approx. 4 hours Walkable: approx. 6 hours
Maximum overlay time at 23°C	72 hours, after which the surface must be prepared with ALSAN System Cleaning Agent
Application condition	
Substrate or ambient temperature	5°C min. to 35°C max.
Atmospheric moisture	80% max.
Moisture of mineral substrates	5% w/w max.
Moisture of wood	16% w/w
The substrate temperature	Must be at least 3°C above the dew point during application and curing.

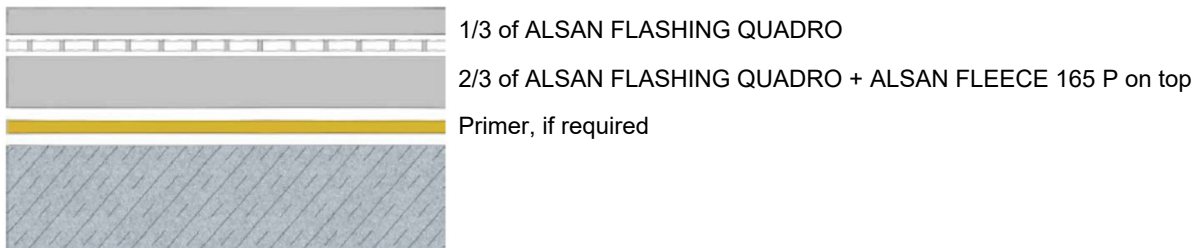
PROPERTIES	ALSAN FLASHING QUADRO
Density at 23°C	1.19 g/cm ³
Viscosity at 23°C	7500 mPa.s
Solids content	85%
Shore A hardness	42
Water vapour permeability μ	μ : 8022
Sd (3.0 kg/m ²)	19.3 m
Sd (2.0 kg/m ²)	12.8 m

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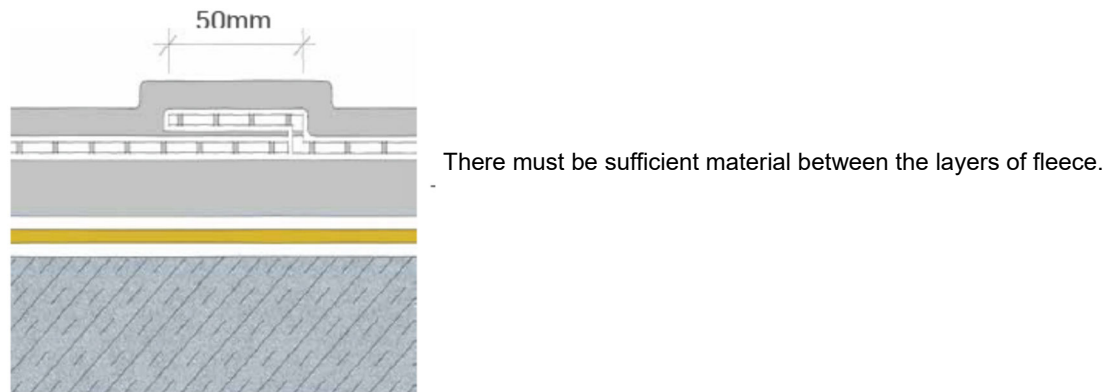
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BUILD UP:



OVERLAP:



SCOPE OF USE:

ALSAN FLASHING QUADRO is a root and rhizome resistant resin used for flame-free waterproofing of junctions between horizontal surfaces, up-stands and various roof details of heat sensitive substrates of roofs and buildings.

In Equus SOPREMA membrane waterproofing systems it is generally used as a liquid detailing membrane. Suitable for new builds and refurbishments, residential and commercial construction, in any location in New Zealand. Suitable for other applications with written approval by Equus Industries Ltd.

CONDITIONS OF USE:

- Substrate and ambient temperature: min. +5°C up to max +35°C.
- Moisture content mineral substrates: max. 5% m/m.
- Moisture content of wood: 16% v/v.
- Air humidity: max. 80%.
- The substrate temperature must be at least 3°C above the dew point during application and curing.

Written approval is required for this product to be in a system not outlined in the standard Equus specifications. The product must be installed by a Certified Equus Applicator. Verification of their status can be confirmed by a current applicator certificate or by contacting Equus Industries Ltd. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval by Equus Industries Ltd.

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BUILDING CODE COMPLIANCE:

B2 Durability - B2.3.1 (a) ALSAN FLASHING QUADRO has a durability of at least 15 years when installed with the correct specification, installation and maintenance.

E2 External moisture - E2.3.1, E2.3.2, E2.3.7 ALSAN FLASHING QUADRO test data together with in-service history of the correctly installed ALSAN FLASHING system over correctly designed and constructed substrates, show that the membrane resists the ingress of moisture.

F2 Hazardous building materials - F2.3.1 Experience with the composition of materials used together with in-service history, show that ALSAN FLASHING QUADRO complies with this performance requirement. Refer to SDS at www.equus.nz

SUPPORTING DOCUMENTATION:

Test reports can be provided by SOPREMA New Zealand Ltd.

HEALTH AND SAFETY:

Refer to the relevant safety data sheet for more information. Pay attention to the personal protective equipment.
GIS Code: PU 50.

STORAGE AND HANDLING:

In original unopened package stored in a cool, dry and frost-free place, the unmixed product has a minimum shelf life of 12 months. Avoid, also on site, exposure of the containers to direct sunlight. Opened packaging has a shortened shelf life.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	Belgium
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	www.soprema.com.au
Manufacturer email	info@soprema.com.au
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962