

# ALSAN FLASHING QUADRO



WATERPROOFING

APPLICATIONS

ROOFS

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GREEN ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-91-ALSAN FLASHING QUADRO

## 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.

Life expectancy of 25 years

One component, no mixing required

UV, chemical and weather resistant

Conforms easily to any irregular shapes

Anti-root properties

## 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 repair 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. 2 kg/m<sup>2</sup> (approx 2/3 of the product).
- Apply ALSAN FLEECE 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 165 P can be covered immediately with another layer of ALSAN FLASHING QUADRO at approx. 1.0 kg/m<sup>2</sup> (approx 1/3 of the product).

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



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## PACKAGING

PACKAGING	ALSAN FLASHING QUADRO
Reinforcement	Alsan fleece 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

PROPERTIES	ALSAN FLASHING QUADRO
Consumation	3 kg/m <sup>2</sup>
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 % v/v
The substrate temperature	must be at least 3 °C above the dew point during application and curing.

## PROPERTIES

PROPERTIES	ALSAN FLASHING QUADRO
Density at 23 °C	1,19 g/cm <sup>3</sup>
Viscosity at 23 °C	7500 mPa.s
Solids content	85 %
Shore A hardness	42
Water vapour permeability μ	8022
Sd (3.0 kg/m <sup>2</sup> )	19.3 m
Sd (2.0 kg/m <sup>2</sup> )	12.8 m



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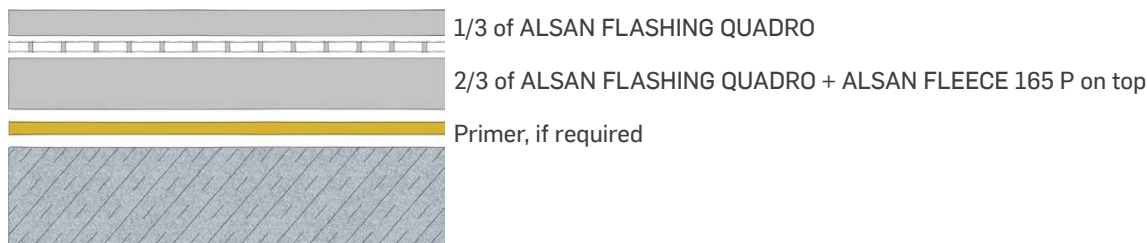


BRANZ Appraised  
Appraisal No.1037 [2018]

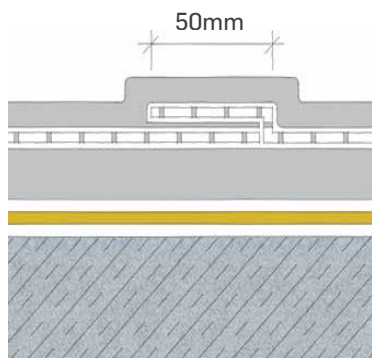
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## BUILD UP



## OVER LAP



There must be sufficient material between the layers of fleece.

## STEP BY STEP



**Step 1**  
Metal, mineral junction areas must be abraded. Loose slate chippings on bitumen sheets are removed with a wire brush.



**Step 2**  
The junction areas must be cleaned. The dust is then removed from the surface and the cleaning agent allowed to flash off before waterproofing work starts. The borders are marked with PE-coated masking tape. The masking tape is also used to decouple joints or delicate material transitions.



**Step 3**  
The embedding layer is applied. A generous amount of material (approx. 2 kg/m<sup>2</sup>) is applied, especially at material transitions, in corners and on vertical surfaces. Any excess material is automatically pushed outwards or upwards when the fleece is embedded.



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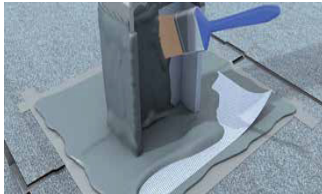
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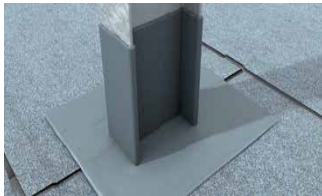
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#### Step 4

Embedding the fleece and application of second layer of resin. The fleece is placed in the fresh embedding layer. Any air bubbles are removed with a roller. Too little material was applied if any light patches are still visible when the fleece is folded back. It is essential that additional material is applied between the layers of fleece at the points of overlap. Without any interval, the fleece can be covered immediately with another layer of resin approx. 1 kg/m<sup>2</sup>. Sufficient material must also be applied at the edges along the masking tape.



#### Step 5

If a different finish is required (grit, slate chippings etc.), an additional topping layer (receiver) must be applied at a consumption rate of approx. 1 kg/m<sup>2</sup>. The surface protection is broadcast into the fresh layer.

## STORAGE AND HANDLING

In its original, unopened packaging and unmixed, the product has a storage life of at least 12 months if kept cool, dry and protected from frost. Direct sunlight on the containers should be avoided, including on site. Once opened, the product only has a limited shelf life.

## 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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