

ALSAN TRAFIK

520/530

TECHNICAL DATA SHEET

ANZ-TDS-05-ALSAN TRAFIK 520/530



WATERPROOFING

APPLICATIONS

ROOFS

PARKING DECKS

BALCONIES

DESCRIPTION

ALSAN TRAFIK 520/530 is a high performance, hand-applied, low VOC, moisture-curing single-pack elastomeric polyurethane waterproofing membrane.

FIELD OF APPLICATION

- Rooftops
- Plaza decks & Terraces
- Balconies
- Car parks
- Pedestrian traffic areas

UV resistant

Highly resistant

Excellent crack bridging capability

One component, no mixing required

High resistance to stagnant water

INSTALLATION PROCEDURE

SURFACE PREPARATION:

- Surface must be clean, sound, smooth and dust-free as well as oil-free
- A compatible primer, such as ALSAN EP 100 H₂O, should be applied to ensure the adhesion of the membrane to the substrate as well as preventing outgassing from the concrete
- In the case of high porosity, wet concrete (humidity >5%) or in any doubt, it is recommended to use a hydro-epoxy primer. Compatibility of the primer with the membrane must be checked prior to application.

APPLICATION:

- ALSAN TRAFIK 520/530 can be applied with a brush or a roller to the desired thickness
- Surface will be primed with ALSAN EP 100 H₂O using a roller. See product TDS (ANZ-TDS-01-ALSAN EP 100 H₂O) for further instructions. Primer must be dry and tack free before applying ALSAN TRAFIK 520/530 (maximum recoat window: 36 h).
- Once primer is completely dry, apply 2 coats of ALSAN TRAFIK 520/530 of 0.8L/m² (1.04 kg/m²) are required to achieve a dry film thickness (DFT) of 1.2 mm. Application temperature of ALSAN TRAFIK 520/530 is >5°C to 35°C.
- In normal conditions, ALSAN TRAFIK 520/530 can be recoated with another layer of ALSAN TRAFIK 520/530 after one night and within 2 days. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding.
- Once the last coat of ALSAN TRAFIK 520/530 is completely dry (minimum 24 hours), apply the transparent finish coat of ALSAN TRAFIK HP 540 with a roller (maximum recoat window: 36 h). ALSAN TRAFIK HP 540 can be colored with ALSAN TRAFIK HP COLORANT (see product technical data sheet). Traffic is allowed 72 hours after the installation of ALSAN TRAFIK HP 540.
- ALSAN TRAFIK 520/530 can be subject to light foot traffic after 24 hours. Vehicle traffic is not permitted on ALSAN TRAFIK 520/530 without the application of a top coat.
- Where extended UV resistance is required, it is recommended that ALSAN TRAFIK 520/530 should be coated with topcoat of ALSAN TRAFIK HP 540

CLEANING:

- Reusable tools should be cleaned carefully with Xylene or MEK before curing.

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



SOPREMA.COM.AU • +61 (3) 9221 6230

TDS_ALSAN_TRAFIK_520_530_04-2021

ALSAN TRAFIK

520/530



WATERPROOFING

APPLICATIONS

ROOFS

PARKING DECKS

BALCONIES

TECHNICAL DATA SHEET

ANZ-TDS-05-ALSAN TRAFIK 520/530

PACKAGING

SPECIFICATIONS	ALSAN TRAFIK 520/530
Physical state	Liquid
Color	Grey
Packaging	15 l ; 19 kg
Coverage	2 coats of a minimum of 0.8 L/m ² (1.04 kg/m ²) each are required to achieve a 1.2 mm dry film thickness (DFT)

PROPERTIES

PROPERTIES	TEST METHOD	ALSAN TRAFIK 520/530
Composition	-	Single-Pack moisture curing Polyurethane
Density (Liquid)	ASTM D1475-13	1.25 – 1.35 g/cm ³
Density (Cured)	AS 1683.4	1.4 – 1.45 g/cm ³
Service Temperature	-	-20 to +80 °C
Curing time	-	Cured overnight
*Viscosity @ 30 RPM	-	10,000 – 18,000 cP
Odour	-	Mild Odour
VOC content	ASTM D2369-10	250 g/L
Non volatiles	ASTM D2369-10	81 %
Tensile Strength	AS 1683.11	6 MPa
Elongation	AS 1683.11	>300 %
Hardness (Shore A)	AS 1683.15.2	70
Angle Tear Strength	AS 1683.12	20 kN/m
Recommended substrate temperature	-	+5 to +35 °C
Recommended substrate moisture	-	Up to 5 %
Recommended relative humidity	-	Between 20 and 90 %
UV resistance	ASTM G154-12a	2000 hrs accelerated testing, no reduction in elongation, no visible cracks or blistering. Chalking evident.

*Viscosity measurements are conducted on a Brookfield LVDV-II+P using Spindle #4 @ 25°C.

STORAGE AND HANDLING

Shelf life of ALSAN TRAFIK 520/530 is 9 months. Once opened use entire contents immediately. Always store closed containers in a cool, ventilated and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 5°C or above 35°C.

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.



SOPREMA.COM.AU • +61 (3) 9221 6230

NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS_ALSAN_TRAFIK_520_530_04-2021_RA