



WATERPROOFING

APPLICATIONS

PARKING DECKS

BALCONIES & PLAZA-DECKS

ALSAN TRAFIK PU 122

TECHNICAL DATA SHEET 240911SCANE

(supersedes 240322SCANE)

DESCRIPTION

ALSAN TRAFIK PU 122 is a two-component polyurethane-based resin, used as a primer on concrete. It ensures the proper adhesion of polyurethane resins and is used in the ALSAN TRAFIK and ALSAN DECK systems.

RECOMMENDED SUBSTRATES

ALSAN TRAFIK PU 122 must be installed on a structural concrete substrate. Not suitable to be applied on plywood a substrate.

SURFACE PREPARATION

1. Concrete must be fully cured (28 days) with a minimum hardness of 24 MPa (3500 psi). Substrate should be clean, sound, dry and free of loose materials, grease, laitance and any contaminants which may compromise the performance of the product.
2. 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.
3. Concrete substrate should have a maximum internal moisture content of 75% RH (ASTM F2170) and 1.5 kg/100 m²/24 h (ASTM F1869) and be prepared as required to provide proper adhesion of the system to the substrate with a minimum bond strength of 1.4 MPa (200 psi) as per CAN/CSA-A23.1-04/A23.2-04 section 6B (or ASTM D 7234).
4. Cracks of more than 1.6 mm (1/16 in) in width need to be repaired with SOPRASEAL SEALANT.

Note: Mixed with ALSAN TF 801 thickening agent, ALSAN TRAFIK PU 122 resin can also be used as a crack filler.

5. All upstands (walls, columns, etc) must also be prepared with SOPRASEAL SEALANT.

APPLICATION

1. Stir the contents of Part A and Part B separately for 2 to 3 minutes.
2. Maintaining an A:B volumetric ratio of 2:1, add Part B to Part A, making sure to incorporate the entire contents. Then mix together for 2 to 3 minutes to obtain a homogeneous consistency.
3. Immediately pour the mixture onto the substrate. Apply ALSAN TRAFIK PU 122 with a roller, a flat or a foam squeegee.

ALSAN TRAFIK PU 122 must be dry and tack free before applying the next coat (maximum recoat window: 36 h).

Note: When using ALSAN TRAFIK PU 122 resin as a crack filler, incorporate ALSAN TF 801 thickening agent once parts A and B have been homogeneously mixed. Consult the ALSAN TF 801 technical data sheet for more information on dosage and application.

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



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopca-en-ca-tds-alsan-trafik-pu-122.indd

1/3



WATERPROOFING

APPLICATIONS

PARKING DECKS

BALCONIES & PLAZA-DECKS

ALSAN TRAFIK PU 122

TECHNICAL DATA SHEET 240911SCANE

(supersedes 240322SCANE)

GENERAL INFORMATION

Specifications		ALSAN TRAFIK PU 122
Physical state		Liquid
Color	Part A Part B	Yellow-orange / translucent Orange / translucent
Density, at 25 °C (77 °F)	Part A Part B	0.98 kg/L 1.21 kg/L
Packaging	Part A Part B Total (A+B)	12.4 L 6.2 L 18.6 L
Coverage ⁽¹⁾ , 250 µm (10 mils)	Kit (A+B)	73.2 m ² (788 ft ²)
Reaction time, at 20 °C (68 °F)	Pot life (250 g) Fully cured ⁽²⁾ Maximum recoat window	30 minutes 4-5 hours 36 hours

(1): All coverage rates are approximate and may vary due to the application technique, surface roughness or porosity.

(2): For proper curing, minimum application temperature is 5 °C (41 °F) and it must be maintained for the length of curing process. The above drying times are for ideal application conditions. Drying times are longer at lower temperatures and/or lower relative humidity.

PROPERTIES

Properties		Standards	ALSAN TRAFIK PU 122
Viscosity Brookfield, at 25 °C (77 °F)	Part A Part B	-	800 cP 20 cP
Elongation at break		ASTM D412	60%
Tensile Strength		ASTM D412	>15 MPa
Bond strength on concrete		ASTM D7234	> 2 MPa
Water Absorption, 24h		ASTM D570	0.8%
Water Vapor Permeability		ASTM E96 (Procedure B)	21.8 ng/Pa.s.m ² (0.38 perms)
V.O.C. content		ASTM D2369 (Method E)	18 g/L
Solids content		-	100%
Hardness, Shore A		-	> 95

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopca-en-ca-tds-alsan-trafik-pu-122.indd

2/3



WATERPROOFING

APPLICATIONS

PARKING DECKS

BALCONIES & PLAZA-DECKS

ALSAN TRAFIK

PU 122

TECHNICAL DATA SHEET 240911SCANE

(supersedes 240322SCANE)

STORAGE AND HANDLING

Part A of ALSAN TRAFIK PU 122 can be stored for up to 18 months, and Part B for 12 months, when properly stored in the original containers. Containers must NEVER BE STORED AT TEMPERATURES BELOW 10 °C (50 °F). Harmful if ingested, inhaled or in contact with skin.

For more information, refer to the instructions on the container label and relevant safety data sheet (SDS).



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopca-en-ca-tds-alsan-trafik-pu-122.indd