



WATERPROOFING

APPLICATIONS

PARKING DECKS

BALCONIES AND PLAZA-DECKS

ALSAN TRAFIK HP 535

TECHNICAL DATA SHEET 211202SCANE

(Supersedes 211119SCANE)

DESCRIPTION

ALSAN TRAFIK HP 535 is a two-component aliphatic polyurethane-based resin, free of volatile organic compounds (VOC), odorless and 100% solid. ALSAN TRAFIK HP 535 is used as a wearing course and a finishing layer in the ALSAN TRAFIK BASE, ALSAN TRAFIK HP and ALSAN LIGHT TRAFIK ZERO systems.

RECOMMENDED SUBSTRATES

ALSAN TRAFIK HP 535 is installed on the ALSAN TRAFIK HP 515 and ALSAN FLOOR EP 101 primers or on the ALSAN TRAFIK PU 221 waterproofing membrane. The ALSAN TRAFIK HP 535 system must be installed on a concrete substrate. This resin is not suitable to be applied on a plywood substrate.

APPLICATION

The primer or the ALSAN TRAFIK PU 221 waterproofing membrane must be dry to the touch before the application of ALSAN TRAFIK HP 535.

Stir the contents of Part A and Part B separately for 2 to 3 minutes. 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 and immediately pour the mixture onto the substrate.

Apply the ALSAN TRAFIK HP 535 resin using a 3/16 in. notched squeegee and level with a roller to obtain a wet film thickness of 355 µm (14 mils) onto the substrate.

The resin should be spread evenly on the surface.

Spread silica sand on the fly or at saturation immediately after ALSAN TRAFIK HP 535 has been applied to achieve a non-slip finish at the end of the job. The layer, thus far liquid, must then be levelled with a roller in order to properly encapsulate the aggregates.

In ramps and in areas subject to heavy vehicular traffic, it is mandatory to apply silica sand to full saturation and remove the excess once the product has dried using a broom or a vacuum before applying a second coat of ALSAN TRAFIK HP 535.

Application temperature: > 5°C (41°F)

APPLICATION OF SILICA SAND 24-30 MESH

Spread on the fly	Spread to full saturation
15-20 lbs / 100 ft ²	50-70 lbs / 100 ft ²

NOTE: - Coverage of the second coat of ALSAN TRAFIK HP 535 will be reduced by at least half.

- Wait 72 hours after applying ALSAN TRAFIK HP 535 before circulating on the surface.
- If the system requires a second coat of ALSAN TRAFIK HP 535, it is essential that the first coat is fully saturated with silica sand to ensure adhesion.

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



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PACKAGING

Specifications		ALSAN TRAFIK HP 535
Physical state		Self-levelling liquid
Colour		Grey (RAL 7040) Dark grey (RAL 7011)
Density @ 25 °C (77 °F)	(Part A) (Part B)	1.15 kg/L 1.16 kg/L
Packaging	(Part A) (Part B) Total (A+B)	7.06 L 5.44 L 12.5 L
Coverage, 355 µm (14 mils)	Kit (A+B)	34 m ² (375 ft ²)

(All values are nominal)

note: All coverage rates are approximate and may vary due to the application technique and surface roughness.

PROPERTIES

Properties		Standards	ALSAN TRAFIK HP 535
Brookfield viscosity @ 25 °C (77 °F)	(Part A) (Part B)	-	2200 cP 900 cP
Solids by weight		-	100 %
Ultimate elongation		ASTM D412	> 120 %
Tensile strength		ASTM D412	> 10 MPa
Bond strength		CAN/CSA A23.1-04/A23.2-04 Section 6B	1.4 MPa
Hardness (Shore A)		ASTM D2240	95
Water absorption at saturation		ASTM D570	1.7%
Tear Strength		ASTM D624	45 N/mm
Pot life @ 20 °C (68 °F)		-	30 min
Fully cured,	20 °C (68 °F) 30 °C (86 °F)	-	9 h 3 h

(All values are nominal)

note: 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.



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2/3

ALSAN TRAFIK HP 535



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CLEANING

Tools can be cleaned with ALSAN RS CLEANER, acetone solvents or petroleum solvents (mineral spirits, xylene, etc.).

STORAGE AND HANDLING

ALSAN TRAFIK HP 535 can be stored for up to 18 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).



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3/3