



WATERPROOFING

APPLICATIONS

PARKING DECKS

# ALSAN TRAFIK PU 424

TECHNICAL DATA SHEET 240517SCANE

(supersedes 240405SCANE)

## DESCRIPTION

ALSAN TRAFIK PU 424 is a two-component aromatic polyurethane resin, free of volatile organic compounds (VOCs), odourless and 100% solid. ALSAN TRAFIK PU 424 is used as a wearing and finishing layer on ALSAN TRAFIK PU 221 waterproofing membrane, as well as in the ALSAN TRAFIK interior parking systems.

## RECOMMENDED SUBSTRATES

ALSAN TRAFIK PU 424 can be installed over ALSAN TRAFIK PU 122 and ALSAN FLOOR EP 101 primers or over ALSAN TRAFIK PU 221 waterproofing membrane.

## APPLICATION

The primer or waterproofing membrane must be completely cured before applying ALSAN TRAFIK PU 424.

Stir the contents of Part A and Part B separately for **2 to 3 minutes**. Add Part B to Part A then mix for another **2 to 3 minutes** to obtain a homogeneous consistency. Immediately pour the mixture onto the substrate. ALSAN TRAFIK PU 424 can also be mixed in small quantities, to a volumetric ratio of **A : B = 3.36 : 1**, to avoid loss of unused material.

Apply ALSAN TRAFIK PU 424 with a notched squeegee, and then level with a roller to obtain a wet film thickness of 508 µm (20 mils) on the substrate. The resin must be distributed evenly over the surface.

**Application temperature:** > 5 °C (41 °F)

### Non-slip finish

When a non-slip finish is required, add silica sand (24 to 32 mesh) to the ALSAN TRAFIK PU 424 resin, depending on the type of traffic that will occur on the system. Consult the ALSAN TRAFIK system sheet to know the installation instructions for the following three systems:

1. **ALSAN TRAFIK BASE:** Area of light pedestrian or light vehicular traffic (partial saturation)
2. **ALSAN TRAFIK GRIP:** Area of medium to heavy vehicular traffic (double partial saturation)
3. **ALSAN TRAFIK HP:** Area of intense vehicular traffic (complete saturation)

## RESTRICTIONS

ALSAN TRAFIK PU 424 is designed for **interior applications only**.

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

## GENERAL INFORMATION

Specifications	ALSAN TRAFIK PU 424	
Physical state	Liquid	
Colours <sup>(1)</sup>	Telegrey 2 (RAL 7046) Slate grey (RAL 7015)	
Density, at 25 °C (77 °F)	Part A	1.17 kg/L (9.76 lb/US gal)
	Part B	1.24 kg/L (10.35 lb/US gal)

(1): The final product color may vary slightly, since the color is influenced by the application technique, curing conditions, and aggregate quantity.



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## GENERAL INFORMATION (Following)

Specifications		ALSAN TRAFIK PU 424
Volume	Part A Part B Total A+B	14.57 L (3.85 US gal) 4.33 L (1.14 US gal) 18.9 L (5 US gal)
Coverage, <sup>(2)</sup> 508 µm (20 mils)	Kit A+B	36.2 m <sup>2</sup> (390 ft <sup>2</sup> )

(All values are nominal)

(2): Coverage rates are approximate and may vary due to the application technique and surface roughness.

## PROPERTIES

Properties		Standards	ALSAN TRAFIK PU 424
Brookfield viscosity	Part A Part B	-	3 500 cP 200 cP
Ultimate elongation		ASTM D412	60%
Tensile strength		ASTM D412	15 MPa
Bond strength		CAN/CSA A23.1-04/A23.2-04 Section 6B	> 2 MPa (cohesive concrete failure)
Hardness	Shore A Shore D	ASTM D2240	> 95 50
Water absorption, after 24 h		ASTM D570	0.66%
Crack Bridging		ASTM C1305	Pass
Tear strength		ASTM D624	40 kN/m
VOC content		ASTM D2369 Method E	< 15.4 g/L
Pot life (250 g), at 20 °C (68 °F)		-	60 min.
Fully cured, at 20 °C (68 °F)	Interlayers Light traffic Fully cured	-	8-10 h 24 h 7 days

(All values are nominal)

Note: For proper curing, minimum application temperature is 5°C (41°F) and it must be maintained for the entire curing process. The drying times above have been obtained under ideal application conditions. Drying times will be longer at lower temperatures and/or lower relative humidity.



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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

Part A and Part B of ALSAN TRAFIK PU 424 can be stored for up to 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).



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