

# ALSAN FLOOR EP 101

TECHNICAL DATA SHEET 181113SCANE

(supersedes -)



ACCESSORY PRODUCTS

APPLICATIONS

INDOOR APPLICATIONS

PARKING DECKS

## DESCRIPTION

ALSAN FLOOR EP 101 is an epoxy primer that can be applied as a first coat in many of our ALSAN polyurethane or epoxy systems to enhance the adhesion of the coating.

ALSAN FLOOR EP 101 can also be mixed with silica sand to repair substrate imperfections.

ALSAN FLOOR EP 101 can also act as a vapour barrier when applied at a minimum thickness of 10 mils.

## SURFACE PREPARATION

1. Before installing ALSAN FLOOR EP 101, concrete must be completely cured (28 days) with a minimum hardness of 24 MPa (3,500 psi). The surface must be sound, clean and free of debris and dust.
2. Concrete surface must be prepared to obtain a ICRI CSP profile of 3 or 4. The shot blasting method is recommended to obtain such a profile.
3. Concrete substrate should have a maximum internal moisture content of 98 % RH (ASTM F2170) and 0.5 kg/100 m<sup>2</sup>/24 h (ASTM F1869). It must be prepared as required to provide proper adhesion of the membrane 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.
4. Cracks that are wider than 1/16" (1.6 mm) must be repaired with SOPRASEAL SEALANT.
5. All upstands (walls, columns, etc) must also be prepared with SOPRASEAL SEALANT.
6. Where needed, concrete should be repaired with a mix of ALSAN TRAFIK EP 101 and silica sand (#70) .

## APPLICATION

1. Once the surface is well prepared, apply primer ALSAN FLOOR EP 101 by using a roller or a flat squeegee. Mix the contents of Part A for 2 to 3 minutes, then add Part B. Mix again for 2 to 3 minutes until you obtain a homogeneous consistency, and immediately pour the mixture onto the substrate. Pot life after mixing is 20 minutes at 22 °C (72 °F).

It must be dry and tack free before applying the next coat (maximum recoat window: 72 h). It is then possible to continue with self-leveling coat or a waterproofing membrane ALSAN TRAFIK 525 or ALSAN TRAFIK 520 or directly apply top coat with silica sand for anti-slip properties.

**WARNING :** in order to reduce the **risks of severe burns** due to the high temperature during the exotherm (the mix of Part A and B), **IT IS STRONGLY RECOMMENDED TO IMMEDIATELY POUR THE MIXTURE ONTO THE SUBSTRATE AFTER HAVING MIXED THE TWO PARTS.**



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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.

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Note: Room and substrate temperature should be at **10 °C (50 °F) minimum** during application and curing of the products:

- Higher temperatures lowers both pot life and curing times;
- Lower temperatures raises pot life but lengthen significantly curing times.

Adapt application techniques as per environment conditions.

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

## PACKAGING

Specifications	PRIMER: ALSAN FLOOR EP 101	
Physical state	Liquid	
Colour	Part A	Clear
	Part B	Yellowish
Specific gravity @ 25 °C (77 °F)	Part A	1.14 kg/L
	Part B	1.02 kg/L
Packaging	Part A	2.33 L
	Part B	1.17 L
	Total	3.5 L
Coverage	<u>Per 3.5 L :</u>	
	127 µm (5 mils) 20 to 27 m <sup>2</sup> (215 to 290 ft <sup>2</sup> )	
	254 µm (10 mils) 10 to 13,5 m <sup>2</sup> (107 to 145 ft <sup>2</sup> )	
	<u>Per 18.9 L :</u>	
	Parking deck and suspended concrete slab: 127 µm (5 mils) 108 to 144 m <sup>2</sup> (1162 to 1550 ft <sup>2</sup> )	
	Indoor applications and concrete slab: 254 µm (10 mils) 54 to 72 m <sup>2</sup> (580 to 775 ft <sup>2</sup> )	

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



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## PROPERTIES

PROPERTIES	Standards	PRIMER: ALSAN FLOOR EP 101
Brookfield viscosity @ 25 °C (77 °F)	Part A Part B	870 cP 2150 cP
Solids by weight	-	100 %
Bond strength	CAN/CSA-A23.1-04/ A23.2-04 Section 6B	> 2 MPa
Hardness (Shore D)	ASTM D2240	76
Abrasion resistance (weight loss)	ASTM D4060	-
Pot life @ 22 °C (72 °F)	-	20 min
Fully cured @ 22 °C (72 °F)	-	3 h

(All values are nominal)

## CLEANING

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

## STORAGE AND HANDLING

Shelf life of **ALSAN FLOOR EP 101** is 18 months, when properly stored in original unopened containers. Containers **MUST NEVER BE STORED AT TEMPERATURES BELOW 10 °C (50 °F)**.

**ALSAN FLOOR EP 101 PRODUCT IS IRRITANT, CORROSIVE, AND FLAMMABLE.** Store in a cool and dry area. Use in a well ventilated area, far from any open flame. Avoid breathing solvent vapours and prolonged skin contact.

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



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