



ACCESSORY PRODUCTS

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ALSAN FLOOR EP 101

TECHNICAL DATA SHEET 210105CANE

(supersedes 201202SCANE)

DESCRIPTION

ALSAN FLOOR EP 101 is an epoxy primer that can be applied as a first coat in many 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.

RECOMMENDED SUBSTRATES

ALSAN FLOOR EP 101 is applied to interior concrete surfaces, such as floors, underground parking lots and multi-level parking lots.

ALSAN FLOOR EP 101 can also be applied outdoors on projected balconies (suspended).

NOTE: When ALSAN FLOOR EP 101 is used to prime an exterior surface, it MUST be covered with an ALSAN TRAFIK HP or ALSAN RS waterproofing layer to complete the system.

The primer can also be applied to concrete or indoor plywood in dedicated agricultural systems.

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 substrate should be clean, sound, dry and free of loose materials, grease and any contaminants, which may compromise the performance of the product.
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 m²/24 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 ALSAN FLOOR EP 041.
5. All upstands (walls, columns, etc) must be prepared with ALSAN FLOOR EP 041.
6. Where needed, larger concrete repairs should also be done using ALSAN FLOOR EP 041. Two coats may be needed. Finishing may require sanding in order to achieve desired results. An alternative method to ALSAN FLOOR EP 041 consists of using a mixture of ALSAN FLOOR EP 101 and silica sand (No. 40 or 50).



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APPLICATION

Once the preparation of the concrete surface is complete, prime the surface using **ALSAN FLOOR EP 101**.

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 **ALSAN FLOOR EP 101** with a roller or a flat squeegee.

The pot life of the mix is 20 minutes at 22 °C (72 °F).

The primer must be dry and tack free before applying the next coat (maximum recoat window: 72 h).

It is possible to continue with a self-leveling coat for **ALSAN FLOOR** systems. For parking systems, apply the waterproofing membrane **ALSAN TRAFIK 525** or **ALSAN TRAFIK 520** then add a finishing coat with silica sand to incorporate non-slip properties into the system.

NOTE: - Ambient and substrate temperature must be at a **minimum of 10 °C (50 °F)** during the application and curing of the product.

- High temperature will significantly shorten pot life and drying time.
- Low temperature will significantly extend pot life and drying time.
- Adjust application techniques according to surrounding conditions.

WARNING: In order to reduce the risk of burns caused by the high temperature generated by the exothermic reaction (when mixing Parts A and B), **IT IS STRONGLY RECOMMENDED TO POUR THE MIX IMMEDIATELY ONTO THE SUBSTRATE AFTER MIXING THE TWO PARTS.**

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

PACKAGING

Specifications	ALSAN FLOOR EP 101		
Physical state	Liquid		
Colour	(Part A) (Part B)	Clear Yellowish	
Density @ 25 °C (77 °F)	(Part A) (Part B)	1.14 kg/L 1.02 kg/L	
Packaging	(Part A) (Part B) Total (A+B)	2.33 L 1.17 L 3.5 L	12.6 L 6.3 L 18.9 L
Coverage		<i>3.5 L Kit</i>	<i>18.9 L Kit</i>
<i>(Parking deck and suspended concrete slab)</i>	5 to 8 mils	20 to 27 m ² (200 to 320 ft ²)	108 to 144 m ² (1162 to 1550 ft ²)
<i>(Indoor applications and concrete slab)</i>	10 mils	10 to 13.5 m ² (107 to 145 ft ²)	54 to 72 m ² (580 to 775 ft ²)

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



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PROPERTIES

Properties	Standards	ALSAN FLOOR EP 101
Viscosity, @ 25 °C (77 °F) (Part A) (Part B)	Brookfield	870 cP 2150 cP
Solids by weight	-	100 %
Bond strength	CAN/CSA-A23.1-04/ A23.2-04 Section 6B	> 2 MPa
Hardness (<i>Shore D</i>)	ASTM D2240	76
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, xylene, etc.).

STORAGE AND HANDLING

The shelf life of ALSAN FLOOR EP 101 is 18 months, when properly kept in the original container.

Store in a cool and dry area far from any open flame. Avoid breathing solvent vapours and prolonged skin contact.

Containers must **NEVER BE STORED AT TEMPERATURES BELOW 10 °C (50 °F)**.

ALSAN FLOOR EP 101 is **IRRITANT, CORROSIVE, AND FLAMMABLE. 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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