

ALSAN RS 276 PRIMER

TECHNICAL DATA SHEET 220204SCANE

(supersedes 180713CAN1E)



ACCESSORIES PRODUCTS

APPLICATIONS

ROOFS

BALCONS ET TERRASSES

FONTAINES ET BASSINS

DESCRIPTION

ALSAN RS 276 PRIMER is a translucent cloudy two-component (PMMA) polymethyl methacrylate-based, rapid-curing, primer. ALSAN RS 276 PRIMER is used to improve the adhesion of ALSAN RS Systems.

RECOMMENDED SUBSTRATES

Concrete / Wood / or others porous substrates.

SURFACE PREPARATION

Surfaces must be dry, clean and free of loose particles, formwork, curing products, irregularities, slurry, etc.

Surface preparation for concrete surfaces:

1. Concrete must be fully cured (28 days) with a minimum hardness of 24 MPa (3500 psi). Surface needs to be sound, clean and free of dust or debris.
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 moisture content of 6 % (ASTM F2659), or 1.5 kg/100m²/24h (ASTM F1869), or an internal content of 75% RH (ASTM F2170).

APPLICATION

MIXING: Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes before each use, and prior to pouring off resin into a second container if batch mixing. Catalyze, with **ALSAN RS Catalyst Powder**, only the amount of material that can be used within 10-15 minutes. Add pre-measured **ALSAN RS Catalyst Powder** to the resin component, stir for two minutes and apply to substrate. Refer to Catalyst Mixing Chart for additional information.

APPLICATION: After mixing, apply resin to clean and prepared substrate at the required consumption using rollers, brushes or notched squeegees. The resin should be spread evenly onto the surface. See individual system specifications for specific guidelines regarding application of primer, membrane, top coat and/or slip-resistant protective surfacing.

CATALYST MIXING CHART

Catalyst dosage per 10 kg container of resin used			
Temperature range	Catalyst activation	kg	tbsp*
0 °C to 10 °C (32 °F to 50 °F)	6 %	0.6	60
10 °C to 20 °C (50 °F to 68 °F)	4 %	0.4	40
20 °C to 35 °C (68 °F to 95 °F)	2 %	0.2	20
Catalyst dosage per each 1 kg (1 liter) of resin used			
Temperature range	Catalyst activation	kg	tbsp*
0 °C to 10 °C (32 °F to 50 °F)	6 %	0.06	6
10 °C to 20 °C (50 °F to 68 °F)	4 %	0.04	4
20 °C to 35 °C (68 °F to 95 °F)	2 %	0.02	2

*Each 0.01 kg of ALSAN RS CATALYST POWDER equals approximately to a level 1-tablespoon size scoop (15 ml measuring spoon).

REACTION TIMES

Ambient temperature	20 °C (68 °F)
Pot life	15 minutes
Rain proof after	30 minutes
Set time / walked on / next layer	30 minutes
Fully cured	2 hours

Pot life depends on ambient temperatures and will be reduced at higher temperatures. Minimum set times are approximate and may vary. Actual set times and cure times should be established in the field, based on actual field conditions.



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

COVERAGE

SURFACE TYPE	COVERAGE			THICKNESS
	10 kg unit m ² (ft ²)	kg/m ²	kg/ft ²	mm (mils)
Smooth surface minimum (CSP 3) ¹	25 (269)	0.4	0.037	0.38 (15)
Granulated surface minimum (CSP 4) ¹	20 (215)	0.5	0.046	0.47 (19)
Rough substrate minimum (CSP 5) ¹	12.5 (134)	0.8	0.075	0.75 (30)

• Coverage rates may vary depending on substrate conditions.

• Wet and dry thicknesses are always equivalent.

• Thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

¹ CSP: Concrete Surface Profile from ICRI (International Concrete Repair Institute). The surface profiles indicated are mentioned as an indication to estimate the coverage rates of the product.

PROPERTIES

PROPERTY	TEST METHOD	ALSAN RS 276 PRIMER
Liquid density at 23°C (73.4°F), g/ml (lb/gal)	ASTM D1475	1.04 (8.7)
Viscosity at 25°C (77°F), (Method A), cps (KU)	ASTM D562	510 (69)
Indentation hardness at 23°C (73.4°F), Shore A	ASTM D2240	87

(All values are nominal)

PACKAGING

ALSAN RS 276 PRIMER resin is supplied in a 10 kg resealable container with locking ring.

STORAGE & HANDLING

Always store closed containers in cool, ventilated and dry locations away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 0°C (32°F) or above 25°C (77°F). Approximate shelf life is twelve months from date of manufacture when properly stored, sealed and unmixed.

For more information, refer to instruction on the label of the can and to relevant Safety Data Sheet (SDS).



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