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# ALSAN RS 281 CLEAR FINISH

TECHNICAL DATA SHEET 240523SCANE

(supersedes 220214SCANE)

## DESCRIPTION

ALSAN RS 281 CLEAR FINISH is a polymethyl methacrylate-based (PMMA) clear finish resin. ALSAN RS 281 CLEAR FINISH is used as a sealer layer coat when coloured quartz aggregate or vinyl paint chips are used.

## APPLICATION

**MIXING:** Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for 2 to 3 minutes before each use, and prior to pouring off resin into a second container. Catalyze with ALSAN RS CATALYST POWDER only the amount of material that can be used within 10 to 15 minutes. Add pre-measured catalyst ALSAN RS CATALYST POWDER to the resin component, stir for 2 to 3 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 a roller, a brush or a flat blade squeegee. The resin should be spread evenly onto the surface.

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

## CATALYST MIXING CHART

Temperature Range <sup>(1)</sup>	Catalyst Activation <sup>(1)</sup>	Catalyst Required <sup>(2)</sup>	
		10 kg container of resin	1 liter (~ 1 kg) of resin
0 °C to 10 °C (32 °F to 50 °F)	6%	0.60 kg (60 tbsp)	0.06 kg (6 tbsp)
10 °C to 20 °C (50 °F to 68 °F)	4%	0.40 kg (40 tbsp)	0.04 kg (4 tbsp)
20 °C to 35 °C (68 °F to 95 °F)	2%	0.20 kg (20 tbsp)	0.02 kg (2 tbsp)

(1): Catalyst quantity will range from 2 to 6% of the resin, dependent on the ambient temperature.

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

## COVERAGE RATES

Type of system	Coverage per 10 kg container	Total Thickness
Aggregate #1 (silica sand, 24 mesh)	13 m <sup>2</sup> (142 ft <sup>2</sup> )	0.76 mm (30 mils)
Aggregate #0 (silica sand, 32 mesh)	15 m <sup>2</sup> (166 ft <sup>2</sup> )	0.66 mm (26 mils)
Smooth	18.5 m <sup>2</sup> (200 ft <sup>2</sup> )	0.58 mm (23 mils)

Note: Coverage rates are approximate and may vary depending on substrate conditions and the application technique.



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## GENERAL INFORMATION

Specifications	ALSAN RS 281 CLEAR FINISH	
Physical state	Liquid	
Colour	Clear	
Container	10 kg (10 L)	
Application temperatures, <i>ambient substrate resin</i>	0 °C to 35 °C (32 °F to 95 °F) 0 °C to 50 °C (32 °F to 122 °F) 3 °C to 30 °C (37 °F to 86 °F)	
Reaction times <sup>(1)</sup> , <i><sup>(2)</sup> pot life rain proof after <sup>(3)</sup> set time / walked on / next layer fully cured</i>	15 minutes 30-45 minutes 45-60 minutes 3 hours	

(1): Reaction times at 20 °C (68 °F).

(2): Pot life depends on ambient temperatures and will be reduced at higher temperatures.

(3): 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.

## PROPERTIES

Properties	Standards	ALSAN RS 281 CLEAR FINISH
Liquid density, <i>at 23 °C (73.4 °F)</i>	ASTM D1475	0.995 g/ml (8.304 lb/US gal)
Viscosity, <i>at 25 °C (77 °F)</i>	ASTM D562 <i>(Procedure A)</i>	465 cP (63 KU)
Indentation hardness, <i>at 23 °C (73.4 °F), (Shore A)</i>	ASTM D2240	99
Abrasion resistance, <i>101 mm (4 in) disc</i>	ASTM D4060	22.7 mg (0.00005 lb)

(All values are nominals)

## STORAGE AND HANDLING

Always store the product indoors on pallets in a well-ventilated environment, at temperatures ranging from 0 °C to 25 °C (32 °F to 77 °F), away from heat, open flames, ignition sources, direct sunlight, and oxidizing agents. If storing the product temporarily outside for a very short period of time, cover it with a reflective tarp that allows for air circulation. The shelf life is approximately 12 months from the date of shipment when properly stored in its original container.

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



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