



ACCESSORY PRODUCTS

APPLICATIONS

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Alsan RS 281 CLEAR FINISH

TECHNICAL DATA SHEET 220214SCANE

(supersedes 180712CAN1E)

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 two 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 10-15 minutes. Add pre-measured catalyst **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 a roller, a brush or a flat blade squeegee. 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
0 °C to 10 °C (32 °F to 49 °F)	6 %	0.6
10 °C to 20 °C (50 °F to 68 °F)	4 %	0.4
20 °C to 35 °C (68 °F to 95 °F)	2 %	0.2

CATALYST DOSAGE PER EACH 1 kg (~ 1 L) OF RESIN USED			
Temperature range	Catalyst activation	kg	tbsp*
0 °C to 10 °C (32 °F to 49 °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).

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



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REACTION TIME

	AMBIENT TEMPERATURE AT 20 °C (68 °F)
Pot life	15 minutes
Rain proof after	30-45 minutes
Set time / walked on / next layer	45-60 minutes
Fully cured	3 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.

COVERAGE

TYPE OF SYSTEM	COVERAGE PER 10 kg CONTAINER ¹ m ² (ft ²)	TOTAL THICKNESS mm (mils)
Aggregate #1 (silica sand, 24 mesh)	13 (142)	0.76 (30)
Aggregate #0 (silica sand, 32 mesh)	15 (166)	0.66 (26)
Smooth	18.5 (200)	0.58 (23)

¹ Coverage rates are approximate and may vary depending on substrate conditions and the application technique. The above data may vary by +/- 10%.

PROPERTIES

PROPERTIES	STANDARDS	ALSAN RS 281 CLEAR FINISH
Liquid density at 23°C (73.4°F), g/ml (lb/gal)	ASTM D1475	1.04 (8.7)
Viscosity at 25°C (77°F), cps (KU)	ASTM D562 (Method A)	465 (63)
Indentation hardness at 23°C (73.4°F), Shore A	ASTM D2240	99
Abrasion resistance, 101 mm (4 in) disc, mg (lb)	ASTM D4060	22.7 (0.00005)

* All data are represented by averages, unless noted otherwise.

PACKAGING

ALSAN RS 281 CLEAR FINISH resin is supplied in a 10 kg (22 lb) resealable container.

STORAGE AND HANDLING

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

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



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