

ALSAN RS 222 PRIMER

 TECHNICAL DATA SHEET
130507SCAN6E
 (supersedes 120510SCAN5E)

DESCRIPTION

ALSAN RS 222 PRIMER is a translucent cloudy two-component (PMMA) polymethyl methacrylate-based, rapid-curing, primer. **ALSAN RS 222 PRIMER** is used to improve the adhesion of **ALSAN RS** System for interior and exterior applications.

RECOMMENDED SUBSTRATES

Asphaltic and roof cover boards

SURFACE PREPARATION

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

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 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. **To complete the installation, please refer to ALSAN RS FLEECE technical data sheet.**

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 (**ALSAN RS** Measuring Spoon) supplied with the packaged product.

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, topcoat and/or slip-resistant protective surfacing.

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APPLICATION

Reaction Times	
Ambient temperature	at 20 °C (68 °F)
Pot life	10 minutes
Rain proof after	30 minutes
Set time / walked on / next layer	30 minutes
Fully cured	3 hours

Pot life is dependent 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

	Coverage Rates		Thicknesses	
	kg / m ²	kg / ft ²	wet mm	wet mils
Smooth surface minimum	0.4	0.037	0.4 - 0.5	15 - 20
Granulated surface minimum	0.5	0.046	0.5 - 0.6	18 - 25
Rough substrate minimum	0.6	0.056	0.6 - 0.8	23 - 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.

* Coverage per pail: 25 m² (269 ft²)

PROPERTIES

Property	Test method	ALSAN RS 222 PRIMER
Thickness	-	0.51 mm (20 wet mils)
Specific Gravity @ 20 °C (68 °F)	-	1.0 kg/L
Viscosity @ 25 °C (77 °F)	-	250 cP
Shore A	ASTM D 2240	98

(All values are nominal)

PACKAGING

ALSAN RS 222 PRIMER resin is supplied in a 10-kg resealable container with locking ring.

STORAGE & HANDLING

Shelf life: 12 months, properly stored in original unopened containers. For more information, refer to instruction on the label of the can and to relevant Material Safety Data Sheet (MSDS).