

ALSAN RS 260 LO FLASH

TECHNICAL DATA SHEET 220202SCANE

(supersedes 210322SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

BALCONIES AND PLAZA-DECKS

FOUNTAINS AND PONDS

DESCRIPTION

ALSAN RS 260 LO FLASH is a high performance, low odor, rapid-setting, polymethacrylate (PMA) liquid resin for use in flashing applications. ALSAN RS 260 LO FLASH is catalyzed with ALSAN RS CATALYST and combined with ALSAN RS FLEECE reinforcing fabric to form a flexible, monolithic, reinforced membrane.

COLOR: ALSAN RS 260 LO FLASH is supplied in standard colors of Pebble Grey and Bright White.

RECOMMENDED SUBSTRATES

Metal surfaces: consult the ALSAN RS METAL PRIMER technical data sheet to determine the need to use a primer.

Non-metallic surfaces: ALSAN RS 276 PRIMER is required. Please see the technical data sheet of this product for more information.

SURFACE PREPARATION

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

Metal surfaces: consult the ALSAN RS METAL PRIMER technical sheet.

Non-metallic surfaces: ALSAN RS 276 PRIMER is required. Please see the technical data sheet of this product for more information.

APPLICATION

MIXING: Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for four 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. **To complete the installation, please refer to ALSAN RS FLEECE technical data sheet.**

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.

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



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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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CATALYST MIXING CHARTS

CATALYST MIXING CHART - SUMMER FORMULATION			
Catalyst dosage per 12 kg container of resin used			
Temperature range	Catalyst activation	kg	Tbsp ¹
10 °C to 20 °C (50 °F to 68 °F)	4 %	0.50	50
20 °C to 35 °C (68 °F to 95 °F)	2 %	0.25	25
Catalyst dosage per each 1 liter (~ 1.3 kg) of resin used			
Temperature range	Catalyst activation	kg	Tbsp ¹
10 °C to 20 °C (50 °F to 68 °F)	4 %	0.05	5
20 °C to 35 °C (68 °F to 95 °F)	2 %	0.025	2.5

*Each 0.01 kg of ALSAN RS Catalyst Powder equals approximately to a levelled 1-tablespoon (15 ml measuring spoon).

CATALYST MIXING CHART - WINTER FORMULATION			
Catalyst dosage per 12 kg container of resin used			
Temperature range	Catalyst activation	kg	Tbsp ¹
0 °C to 3 °C (32 °F to 37 °F)	6 %	0.7	70
3 °C to 10 °C (37 °F to 50 °F)	4 %	0.5	50
10 °C to 20 °C (50 °F to 68 °F)	2 %	0.25	25
Catalyst dosage per each 1 liter (~ 1.3 kg) of resin used			
Temperature range	Catalyst activation	kg	Tbsp ¹
0 °C to 3 °C (32 °F to 37 °F)	6 %	0.08	8
3 °C to 10 °C (37 °F to 50 °F)	4 %	0.05	5
10 °C to 20 °C (50 °F to 68 °F)	2 %	0.025	2.5

*Each 0.01 kg of ALSAN RS Catalyst Powder equals approximately to a level 1-tablespoon (15 ml measuring spoon).

REACTION TIMES

	SUMMER FORMULATION AMBIENT TEMPERATURE AT 20 °C (68°F)	WINTER FORMULATION AMBIENT TEMPERATURE AT 20 °C (68°F)
Pot life	15-20 minutes	15-20 minutes
Rain proof after	30-45 minutes	45-60 minutes
Set time / walked on / next layer	60-90 minutes	1-2 hours
Fully cured	4-7 hours	5 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 RATES¹

SUBSTRATE PROFILE	12.5 KG UNIT m ² (ft ²)	MINIMUM TOTAL CONSUMPTION kg/m ² (kg/ft ²)	BASE COMPONENT CONSUMPTION kg/m ² (kg/ft ²)	TOP COAT CONSUMPTION kg/m ² (kg/ft ²)	TOTAL THICKNESS mm (mils)	BASE COAT THICKNESS mm (mils)	TOP COAT THICKNESS mm (mils)
Smooth (CSP 1) ²	4.1 (44)	3.1 (0.29)	2.0 (0.18)	1.0 (0.10)	2.5 (98)	1.6 (63)	0.9 (35)
Typical (CSP 3-4) ²	3.7 (40)	3.3 (0.31)	2.3 (0.21)		2.7 (106)	1.8 (71)	
Granulated (CSP 5) ²	3.3 (35)	3.8 (0.36)	2.8 (0.25)		3.1 (122)	2.2 (87)	
Rough (CSP 6) ²	2.9 (31)	4.3 (0.41)	3.3 (0.31)		3.5 (140)	2.7 (105)	

(All values are nominal)

¹ Coverage rates for two (2) coats.

² CSP: Concrete Surface Profile from ICRI (International Concrete Repair Institute). Although ALSAN RS 260 FLASH is not applied on concrete, the surface profiles indicated are mentioned as an indication to estimate the coverage rates of the product.

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

- Wet and dry thicknesses are always equivalent.



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PROPERTIES

Property	TEST METHOD	MD	MX
Peak load at 23°C (73.4°F) control, kN/m (lbf/in)	ASTM D5147	12.3 (70)	10.5 (60)
Elongation at 23°C (73.4°F) control, %	ASTM D5147	55	75
Peak load at 23°C (73.4°F) post heat aging, kN/m (lbf/in)	ASTM D5147	14.0 (80)	14.0 (80)
Elongation at 23°C (73.4°F) post heat aging, %	ASTM D5147	50	65
Peak load at 23°C (73.4°F) post acc. weathering, kN/m (lbf/in)	ASTM D5147	12.3 (70)	13.1 (75)
Elongation at 23°C (73.4°F) post acc. weathering, %	ASTM D5147	55	65
Peak load at -18°C (0°F), kN/m (lbf/in)	ASTM D5147	30.6 (175)	26.3 (150)
Elongation at -18°C (0°F), %	ASTM D5147	60	70
Tear resistance, N (lbf)	ASTM D5147	356 (80)	334 (75)
Dimensional stability, %	ASTM D5147	0.1	0.1
Static puncture resistance, N (lbf)	ASTM D5602	Pass 249 (56)	
Shore A hardness, durometer	ASTM D2240	73	
Water absorption at 100 °C, %	ASTM D570	0.7	
Water vapor permeance, perms	ASTM E96	0.2	
Low temperature flexibility, °C (°F)	ASTM D7264	Pass -36.1 (-33)	Pass -36.1 (-33)
Low temperature crack bridging	ASTM C1305	No cracks	
Self-ignition, °C (°F)	ASTM D1929	410 (770)	
Smoke density index	ASTM E84	300	
Rate of burning, m/hr (in/min)	ASTM C635	1.2 (0.8)	

(All values are nominal)

Values based on reinforced ALSAN RS Systems at a coverage rate of 3.3 kg/m².

PACKAGING

ALSAN RS 260 LO FLASH resin is supplied in a 12.5 kg resealable container with locking ring.

STORAGE AND HANDLING

Always store closed containers in cool, ventilated and dry location away from heat and oxidizing agent. 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 the instructions on the container label and relevant safety data sheet (SDS).



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