

ALSAN[®] RS 260 LO FIELD

PMA Liquid Resin For Field Applications



APPLICATIONS

ROOFS

PRODUCT DATA SHEET PD10240 - REV.220726

QUICK FACTS:

WINTER FORMULATION							
UNIT SIZE (kg)	AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	RESIN TEMP (°F)	POT LIFE (min)	RAIN PROOF (min)	NEXT LAYER (hours)	FULLY CURED (hours)
20 (15.1 L)	32-68 (0-20°C)	32-68 (0-20°C)	37-86 (3-30°C)	15-20 at 68°F (20°C)	45-60 at 68°F (20°C)	1-2 at 68°F (20°C)	5 at 68°F (20°C)

SUMMER FORMULATION							
UNIT SIZE (kg)	AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	RESIN TEMP (°F)	POT LIFE (min)	RAIN PROOF (min)	NEXT LAYER (hours)	FULLY CURED (hours)
20 (15.1 L)	50-95 (10-35°C)	50-122 (10-50°C)	50-86 (10-30°C)	15-20 at 68°F (20°C)	30-45 at 68°F (20°C)	1-1.5 at 68°F (20°C)	4-7 at 68°F (20°C)

PRODUCT NUMBERS:

- L-RS2601 - Summer Formulation, Traffic White
- L-RS2602 - Summer Formulation, Pebble Grey
- L-RS2603 - Winter Formulation, Traffic White
- L-RS2604 - Winter Formulation, Pebble Grey

DESCRIPTION & FEATURES:

ALSAN RS 260 LO Field is a high-performance, low odor, rapid-setting, polymethacrylate (PMA) liquid resin. **ALSAN RS 260 LO Field** is catalyzed with **ALSAN RS Catalyst Powder** and combined with **ALSAN RS Fleece** reinforcing fabric to form a flexible, monolithic, reinforced membrane. This product is available in two standard colors, traffic white and pebble grey.

TESTING & APPROVALS:



APPLICATION:



ROLLER



BRUSH

Apply **ALSAN RS 260 LO Field** with a brush or roller. Prior to application, refer to published specifications and approved details for complete application instructions. The applicator is responsible for ensuring conditions are appropriate to proceed with proper application methods.

STORAGE:

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



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TECHNICAL INFORMATION & TESTING:

APPROXIMATE COVERAGE RATES							
SUBSTRATE PROFILE	20 KG UNIT ft ² (m ²)	MINIMUM TOTAL CONSUMPTION kg/ft ² (kg/m ²)	BASE COMPONENT CONSUMPTION kg/ft ² (kg/m ²)	TOP COAT CONSUMPTION kg/ft ² (kg/m ²)	TOTAL THICKNESS mils (mm)	BASE COAT mils (mm)	TOP COAT mils (mm)
SMOOTH (primed substrate)	70 (6.5)	0.29 (3.0)	0.18 (2.0)	0.10 (1.0)	98 (2.5)	63 (1.6)	35 (0.9)
TYPICAL (CSP 3-4 & SBS sanded basesheet)	64 (5.9)	0.31 (3.3)	0.21 (2.3)		106 (2.7)	71 (1.8)	
GRANULATED	56 (5.2)	0.36 (3.8)	0.25 (2.8)		122 (3.1)	87 (2.2)	
ROUGH (CSP 5)	49 (4.6)	0.41 (4.3)	0.31 (3.3)		140 (3.5)	105 (2.7)	

CATALYST MIXING CHART										
CATALYST REQUIRED	SUMMER FORMULATION				WINTER FORMULATION					
	4% Catalyst 50°F - 68°F (10°C - 20°C)		2% Catalyst 68°F - 95°F (20°C - 35°C)		6% Catalyst 32°F - 37°F (0°C - 3°C)		4% Catalyst 37°F - 50°F (3°C - 10°C)		2% Catalyst 50°F - 68°F (10°C - 20°C)	
20 KG CAN	8 0.1 kg packets		4 0.1 kg packets		12 0.1 kg packets		8 0.1 kg packets		4 0.1 kg packets	
1 LITER (-1.3 kg)	5 (tbsp)	0.05 (kg)	2.5 (tbsp)	0.025 (kg)	8 (tbsp)	0.08 (kg)	5 (tbsp)	0.05 (kg)	2.5 (tbsp)	0.025 (kg)

NOTE: Catalyst quantity will range from 2 - 6% (by weight) dependent on the ambient temperature.

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PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 73.4°F (23°C) control, lbf/in (kN/mm)	70 (12.3)	65 (11.4)	ASTM D5147
Elongation @ 73.4°F (23°C) control, %	55	85	ASTM D5147
Peak load @ 73.4°F (23°C) post heat aging, lbf/in (kN/mm)	75 (13.1)	80 (14.0)	ASTM D5147
Elongation @ 73.4°F (23°C) post heat aging, %	55	60	ASTM D5147
Peak load @ 73.4°F (23°C) post acc. weathering, lbf/in (kN/mm)	75 (13.1)	75 (13.1)	ASTM D5147
Elongation @ 73.4°F (23°C) post acc. weathering, %	50	55	ASTM D5147
Peak load @ 0°F (-18°C), lbf/in (kN/mm)	170 (29.8)	145 (25.4)	ASTM D5147
Elongation @ 0°F (-18°C), %	60	70	ASTM D5147
Tear resistance, lbf (N)	70 (311)	60 (267)	ASTM D5147
Dimensional stability, %	0.1	0	ASTM D5147
Static puncture resistance, lbf (N)	Pass 56 (249)		ASTM D5602
Shore A hardness, durometer	84		ASTM D2240
Water absorption @ 212°F (100°C), %	0.5		ASTM D570
Water vapor permeance, perms	0.2		ASTM E96
Low temperature flexibility, °F (°C)	Pass -33 (-36.1)	Pass -33 (-36.1)	ASTM D7264
Low temperature crack bridging	No cracks		ASTM C1305
Self-ignition, °F (°C)	770 (410)		ASTM D1929
Smoke density index	350		ASTM E84
Rate of burning, in/min (m/hr)	0.8 (1.2)		ASTM D635

NOTE: Data is represented by average values, unless noted otherwise.

SUSTAINABILITY:



PRODUCT	VOC CONTENT LOW EMITTING	COOL ROOF RATING					
		SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
ALSAN RS 260 LO Field (Traffic White RAL 9016)	< 5 g/L	0.84 initial	0.67 3 year	0.86 initial	0.87 3 year	105 initial	81 3 year