

# ALSAN® RS

## 230 FLASH

ALSAN® RS 230 FLASH  
PRODUCT #

- L-RS022SC (summer grade - pebble grey)
- L-RS024SC (summer grade - bright white)
- L-RS022WC (winter grade - pebble grey)
- L-RS024WC (winter grade - bright white)

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

ALSAN® RS 230 Flash is a high performance, rapid-setting, polymethyl methacrylate (PMMA) liquid resin for use in flashing applications. ALSAN® RS 230 Flash is catalyzed with ALSAN® RS Catalyst Powder and combined with ALSAN® RS Fleece to form a flexible, monolithic, reinforced membrane.

### STORAGE

Always store closed containers in cool, ventilated and dry locations 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 12 months from date of shipment when properly stored, sealed and unmixed.

### APPLICATION

ALSAN® RS 230 Flash is applied via 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.



APPLICATION



BRUSH



ROLLER

QUICK FACTS  
WINTER FORMULA

UNIT SIZE (kg)	AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	RESIN TEMP (°F)	POT LIFE (min)	RAIN PROOF (min)	NEXT LAYER (hr)	FULLY CURED (hr)
<b>12</b> (9.8 L)	<b>23-68</b> (-5 - 20°C)	<b>23-68</b> (-5 - 20°C)	<b>37-68</b> (3 - 20°C)	<b>15-20</b> at 68°F (20°C)	<b>45-60</b> at 68°F (20°C)	<b>1-2</b> at 68°F (20°C)	<b>5</b> at 68°F (20°C)

QUICK FACTS  
SUMMER FORMULA

UNIT SIZE (kg)	AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	RESIN TEMP (°F)	POT LIFE (min)	RAIN PROOF (min)	NEXT LAYER (hr)	FULLY CURED (hr)
<b>12</b> (9.8 L)	<b>50-95</b> (10 - 35°C)	<b>50-122</b> (10 - 50°C)	<b>50-86</b> (10 - 30°C)	<b>15-20</b> at 68°F (20°C)	<b>30-45</b> at 68°F (20°C)	<b>1-1.5</b> at 68°F (20°C)	<b>3-6</b> at 68°F (20°C)



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## TECHNICAL INFORMATION & TESTING

### APPROXIMATE COVERAGE RATES

SUBSTRATE PROFILE	12 KG UNIT ft <sup>2</sup> (m <sup>2</sup> )	MINIMUM TOTAL CONSUMPTION kg/ft <sup>2</sup> (kg/m <sup>2</sup> )	BASE COMPONENT CONSUMPTION kg/ft <sup>2</sup> (kg/m <sup>2</sup> )	TOP COAT kg/ft <sup>2</sup> (kg/m <sup>2</sup> )	TOTAL THICKNESS mils (mm)	BASE COAT mils (mm)	TOP COAT mils (mm)
<b>SMOOTH</b> (primed substrate)	42 (3.9)	0.28 (3.0)	0.18 (2.0)	0.10 (1.0)	98 (2.5)	63 (1.6)	35 (0.9)
<b>TYPICAL</b> (CSP 3-4 & SBS sanded basesheet)	40 (3.7)	0.30 (3.3)	0.20 (2.3)		106 (2.7)	71 (1.9)	
<b>SBS GRANULATED SHEET</b>	34 (3.2)	0.35 (3.8)	0.25 (2.8)		122 (3.1)	87 (2.2)	
<b>ROUGH</b> (CSP 5)	30 (2.8)	0.40 (4.3)	0.30 (3.3)		140 (3.6)	105 (2.7)	

\*Catalyst quantity will range from 2 – 6% (by weight) dependent on the ambient temperature.

### 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 23°F - 37°F (-5°C - 3°C)		4% Catalyst 37°F - 50°F (3°C - 10°C)		2% Catalyst 50°F - 68°F (10°C - 20°C)	
<b>12 KG CAN</b>	<b>5</b> 0.1 kg packets		<b>2.5</b> 0.1 kg packets		<b>7</b> 0.1 kg packets		<b>5</b> 0.1 kg packets		<b>2.5</b> 0.1 kg packets	
<b>1 LITER</b> (~1.2 kg)	<b>5</b> (tbsp)	<b>0.05</b> (kg)	<b>2.5</b> (tbsp)	<b>0.024</b> (kg)	<b>7</b> (tbsp)	<b>0.07</b> (kg)	<b>5</b> (tbsp)	<b>0.05</b> (kg)	<b>2.5</b> (tbsp)	<b>0.024</b> (kg)

### PHYSICAL PROPERTIES

PROPERTY	MD	XMD	TEST METHOD
<b>Peak load @ 73.4°F (23°C) control</b> , lbf/in (kN/m)	70 (12.3)	60 (10.5)	ASTM D5147
<b>Elongation @ 73.4°F (23°C) control</b> , %	55	70	ASTM D5147
<b>Peak load @ 73.4°F (23°C) post heat aging</b> , lbf/in (kN/m)	70 (12.3)	70 (12.3)	ASTM D5147
<b>Elongation @ 73.4°F (23°C) post heat aging</b> , %	55	50	ASTM D5147
<b>Peak load @ 73.4°F (23°C) post acc. weathering</b> , lbf/in (kN/m)	75 (13.1)	75 (13.1)	ASTM D5147
<b>Elongation @ 73.4°F (23°C) post acc. weathering</b> , %	55	55	ASTM D5147
<b>Peak load @ 0°F (-18°C)</b> , lbf/in (kN/m)	130 (22.8)	110 (19.3)	ASTM D5147
<b>Elongation @ 0°F (-18°C)</b> , %	60	85	ASTM D5147
<b>Tear resistance</b> , lbf (N)	80 (356)	70 (311)	ASTM D5147
<b>Dimensional stability</b> , %	0.1	0	ASTM D5147
<b>Static puncture resistance</b> , lbf (N)	Pass 56 (249)		ASTM D5602
<b>Shore A hardness</b> , durometer	70		ASTM D2240
<b>Water absorption @ 212°F (100°C)</b> , %	0.8		ASTM D570
<b>Water vapor permeance</b> , perms	0.2		ASTM E96
<b>Low temperature flexibility</b> , °F (°C)	Pass -33 (-36.1)	Pass - 33 (-36.1)	ASTM D7264
<b>Low temperature crack bridging</b>	No cracks		ASTM C1305
<b>Self-ignition</b> , °F (°C)	752 (400)		ASTM D1929
<b>Smoke density index</b>	105		ASTM E84
<b>Rate of burning</b> , in/min (m/hr)	0.9 (1.4)		ASTM D635

## TESTING & APPROVALS

