

# ALSAN® RS 285 CF

Rapid-Setting Liquid Resin Color Finish Layer

PRODUCT DATA SHEET PD10245 - REV 231102



APPLICATIONS

ROOFING

## PRODUCT NUMBERS:

- 00513927 - **8.5 kg (8.1 L) Pail**  
*Requires the addition of 1.5 kg ALSAN RS COLOR ADDITIVE and ALSAN RS CATALYST.*

## DESCRIPTION & FEATURES:

**ALSAN RS 285 CF (Color Finish)** is a high-performance, rapid-setting, polymethyl methacrylate (PMMA) liquid resin.

**ALSAN RS 285 CF** is an unpigmented resin that must be mixed with a pre-measured and packaged ALSAN RS COLOR ADDITIVE.

- High-performance, UV-stable, flexible, abrasion-resistant finish layer
- Rapid curing and easy application provides same-day installation
- Excellent chemical resistance
- Ideal for roofing safety lines, roof walkways and roof logos or anywhere a color finish is required

## MIXING INSTRUCTIONS & CATALYZING:

Using a slow-speed (200-400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes before use. Slowly add the entire contents of ALSAN RS COLOR ADDITIVE to the resin and continue mixing for 2 - 5 minutes until uniform streak-free color.

NOTE: Combining the color additive to **ALSAN RS 285 CF** does not affect pot life or cure time.

Only catalyze the amount of material that can be used within 10-15 minutes. Add the pre-measured catalyst to the resin component, stir for two minutes and apply to the substrate. Refer to the catalyst information found on the second page of this PDS. Apply without dilution or thinning.

## APPLICATION:



ROLLER



BRUSH



FLAT OR  
NOTCHED  
SQUEEGEE

**ALSAN RS 285 CF** should be uniformly spread across the substrate with a 3/8 in nap roller, brush, notched or flat blade squeegee, using a roller to remove puddles. Finish the topcoat by lightly rolling in one direction, slightly overlapping previously rolled sections to create a single uniform application. The same finish roller procedure and direction should be used throughout the entire application to produce the most consistent and uniform sheen possible.

Refer to the ALSAN RS Roofing Technical Manual for additional application guidelines.

## STORAGE:

Store the container in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Storage temperature range should be between 55°F (12.7°C) and 80°F (26.6°C). Approximate shelf life is 12 months from date of shipment when properly stored, sealed and unmixed.

## LIMITATIONS:

For vertical substrates or slopes exceeding 1.5:12, ALSAN RS resins should be pre-mixed with ALSAN RS LIQUID THIXO. The amount of thixotropic additive needed will vary by slope and temperature, refer to the ALSAN RS Technical Manual for specifications and recommendations.

## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.



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## PRODUCT MIXING & WORKING TIMES:

WORKING TIMES & TEMPERATURES*	
PROPERTY	VALUE
Ambient temperature, °F (°C)	32 - 95 (0 - 35)
Substrate temperature, °F (°C)	32 - 122 (0 - 50)
Resin temperature, °F (°C)	37 - 86 (3 - 30)
Pot life @ 68°F (20°C), min	15
Rain proof @ 68°F (20°C), min	30 - 45
Next layer @ 68°F (20°C), min	45 - 60
Fully cured @ 68°F (20°C), hours	3

\* All working and cure times are approximate and may vary upon wind, humidity and ambient/surface temperatures.

CATALYST MIXING CHART*					
CATALYST REQUIRED	6% CATALYST 32°F - 50°F (0°C - 10°C)		4% CATALYST 50°F - 68°F (10°C - 20°C)		2% CATALYST 68°F - 95°F (20°C - 35°C)
10 KG PAIL**	6 (0.1 kg) packets		4 (0.1 kg) packets		2 (0.1 kg) packets
1 LITER (~1.8 kg)	6 (tbsp)	0.06 (kg)	4 (tbsp)	0.04 (kg)	2 (tbsp) 0.02 (kg)

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

\*\* ALSAN RS 285 CF (8.5 kg) must be mixed with ALSAN RS COLOR ADDITIVE (1.5 kg) for a combined total of 10 kg.

APPROXIMATE COVERAGE RATES			
SUBSTRATE PROFILE	10 KG UNIT ft <sup>2</sup> (m <sup>2</sup> )	MINIMUM TOTAL CONSUMPTION kg/ft <sup>2</sup> (kg/m <sup>2</sup> )	TOTAL THICKNESS mils (mm)
AGGREGATE #1	134 (12.5)	0.07 (0.8)	30 (0.67)
AGGREGATE #2	154 (14.3)	0.06 (0.7)	26 (0.67)
SMOOTH	179 (16.7)	0.05 (0.6)	23 (0.67)

\* Coverage rates are variable and dependent upon substrate and absorption.

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## TECHNICAL INFORMATION & TESTING:

PHYSICAL PROPERTIES*		
PROPERTY	VALUE	ASTM TEST METHOD
Technology	Polymethyl methacrylate (PMMA)	-
Color	Clear base resin / pigmented once color additive is added	-
Liquid density @ 73.4°F (23°C), lb/gal	9.07	D1475
Viscosity, stormer type @ 77°F (25°C), KU	72	D562
Tensile strength, psi	1,080	D2370
Ultimate elongation, %	71.3	D2370
Mandrel bend flexibility, stainless steel	PASS	D522
Indentation hardness @ 73.4°F (23°C), Shore A	94	D2240
Abrasion resistance, 4" disc, lb (mg)	0.00029 (133)	D4060 (CS-17 wheel, 1000g, 500 cycles)
Cleanup	Alsan RS Cleaner	-
Shelf life, months	12	-
VOC content, g/L	< 5	D2369 Method E

\* Data is represented by average values, unless noted otherwise.

## SUSTAINABILITY



VOC CONTENT  
LOW EMITTING

< 5 g/L