



# ALSAN RS 287 BASE

Alsan RS 287 Base

Order No. L-RS0287

## DESCRIPTION & APPLICATION

Alsan RS 287 Base is a high performance two-component (PMMA) methyl methacrylate-based, rapid-curing, flexible acrylic base resin for colored pigmented finish formulation used in Alsan RS cold liquid-applied membrane system applications.

**PRODUCT USES:**

Alsan RS 287 Base is a clear liquid PMMA resin mixed that is mixed on site with pre-measured Color Paste to produce the custom color equivalent to the Alsan RS 288 premixed color finish resins. (see corresponding data sheet for additional information).

**COLOR:**

Alsan RS 287 Base is a colorless liquid into which a pre-measured amount (1.5 kg) of color paste is added. Contact customer service for additional information on availability of color paste.

**VOC:**

Alsan RS 287 Base maximum content < 34 g/L.

**PACKAGING:**

Alsan RS 287 Base is supplied in a 8.5-kg re-sealable container with locking ring.

**STORAGE:**

Shelf life: 12 months in original unopened container. Always store closed containers in 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). Storing the containers above the recommended temperature may reduce the product's shelf life. The resin may polymerize at temperatures above 140°F (60°C). Avoid direct sunlight and heat source when storing products on project site.

**HANDLING:**

Always use caution when handling the products. Do not smoke. Keep away from open flame, fire or any ignition source. Avoid skin and eye contact with this product. Cured product may be disposed of in standard landfills. Uncured product is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

Workers must wear long sleeved shirts, long pants, work boots and use only butyl rubber or nitrile gloves when working with the product. Safety glasses with side shields are required for eye protection. Use of NOISH approved respirator is required if the airborne concentration exceeds recommended limits. For more information, refer to instruction on the label of the can and to relevant Material Safety Data Sheet (MSDS).

**MIXING:**

Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes before each use. In order to avoid color matching issues, it is recommended that contents be poured off into a larger container with other quantities of Alsan RS 287 Base. The appropriate number of color paste quantities (one 1.5 kg paste amount for every 8.5 kg container of Alsan RS 287 Base) would then be added and thoroughly mixed prior to application. Prepared color resin can then be poured off into smaller containers for smaller batch mixing. Catalyze only the amount of material that can be used within 10-15 minutes. Add pre-measured catalyst to the resin component, stir for two minutes and apply to substrate. Refer to Catalyst Dosages chart below for additional information.

**APPLICATION:**

After mixing, apply resin to clean and prepared substrate at the required consumption using Soprema rollers, brushes or notched squeegee. 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.



## TECHNICAL INFORMATION

All information provided below assuming a combined quantity of Alsan RS 287 Base and specified color paste properly mixed per mixing instructions noted above.

### TEMPERATURE APPLICATION RANGES

Ambient temperature	Substrate temperature
32° to 95°F (0° to 35°C)	32° to 122°F (0° to 50°C)

Substrate must not exceed a maximum six percent moisture content and maximum 96% relative humidity.

### COVERAGE RATES

Smooth finish	0.028 kg/sf (0.3 kg/m <sup>2</sup> )
Over surfacing aggregate	0.046 kg/sf (0.5 kg/m <sup>2</sup> )

See recommendations for specific applications. Yields will vary depending upon substrate condition.

### CATALYST MIXING CHART

Resin Quantity	4% Catalyst Activation 32°F to 49°F (0°C to 15°C)			2% Catalyst Activation 50°F to 95°F (15°C to 35°C)		
	kg	tbsp	0.1 kg bags	kg	tbsp	0.1 kg bags
1.0 kg	0.04	4	n/a	0.02	2	n/a
10.0 kg	0.4	40	4	0.2	20	2

### SET TIMES AT AMBIENT TEMPERATURE OF 68°F (20°C)

Pot life:	15 minutes
Rain proof after:	30 minutes
Set time / walked on / next layer:	60 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.