



ALSAN RS 233 SELF-LEVELING MORTAR

Alsan RS 233 Self-Leveling Mortar

Order No. **

**Ordered as Alsan RS 210 and Alsan RS 223 Powder

DESCRIPTION & APPLICATION

Alsan RS 223 Self-Leveling Mortar is a high performance multi-component PMMA based, rapid-curing acrylic mortar resin formulation formed by combining **Alsan RS 210** and **Alsan RS 223 Powder**; used in Alsan RS cold liquid-applied membrane system applications.

PRODUCT USES:

Alsan RS 233 Self-Leveling Mortar is a non-reinforced, self-leveling waterproofing mortar used as principal component in partially reinforced Alsan RS Balcony/Deck, Parking Deck and Floor Protective Systems and as part of reinforced Alsan RS Balcony/Deck and parking Deck Systems. Alsan RS 233 Self-Leveling Mortar may also be used to level out deck rough areas and depressions prior to liquid membrane application.

COLOR:

Alsan RS 233 Self-Leveling Mortar is supplied in a standard color of Pebble Grey (#7032).

VOC:

Refer to Alsan RS 210 product data sheet for VOC information.

PACKAGING:

Alsan RS 233 is supplied in two parts - Alsan RS 210 (10 kg container) and Alsan RS 223 Powder (23 kg bag).

STORAGE:

Shelf life: 6 months in original unopened containers. 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 NIOSH 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 Alsan RS 210 for 2 minutes before each use. Slowly add Alsan RS 223 Powder filler to resin while mixing; continue mixing for 2 to 5 minutes. Mixing ratio of Alsan RS 210 resin to Alsan RS 223 Powder filler is 1 pail to 1 bag. Catalyze only the amount of material that can be placed within 10-15 minutes. Add and thoroughly mix pre-measured catalyst into resin-mortar for 2 minutes and apply to the substrate. The amount of catalyst added should be based ONLY on the weight of the Alsan RS 210 used, and not the entire batch (resin + filler) weight. The catalyst amounts are shown in the Catalyst Dosages charts below.

APPLICATION:

After mixing, apply resin to clean and prepared substrate at the required consumption using notched squeegees or concrete floats. 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

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

Alsan RS Balcony/Deck System	0.325 kg/sf (3.5 kg/m ²)
Alsan RS Parking Deck System	0.325 kg/sf (3.5 kg/m ²)

See recommendations for specific applications. Yields will vary depending upon system selected and 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.