ALSAN® RS
233 SELF-LEVELING MORTAR

ALSAN® RS 233
SELF-LEVELING MORTAR

PRODUCT COMPONENTS:
ALSAN RS 210 - L-RS010SC
ALSAN RS 223 POWDER - L-RS225

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

ALSAN RS 233 Self-Leveling Mortar is created by combining ALSAN RS Part A Resin and ALSAN RS Part B Mixing Powder. ALSAN RS 233 Self-Leveling Mortar is a trowel applied resin-mortar used as a thick coating system for interior and exterior unreinforced waterproofing and surfacing applications. ALSAN RS 233 Self-Leveling Mortar is also used as a traffic surfacing applied over ALSAN RS reinforced waterproofing membranes.

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 twelve months from date of shipment when properly stored sealed and unmixed.

APPLICATION

Thoroughly mix the entire drum of ALSAN RS 210 and ALSAN RS 223 Mixing Powder before pouring off, batch mixing or catalyzing. Apply ALSAN RS 233 Self-Leveling Mortar using a notched trowel and pin roller. The applicator is responsible for ensuring conditions are appropriate to proceed with proper application methods.

Refer to ALSAN RS 210 and ALSAN RS 223 Mixing Powder product data sheets for additional information.

APPLICATION

ROLLER

TROWEL

QUICK FACTS

UNIT SIZE (kg)	AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	RESIN TEMP (°F)	POT LIFE (min)	RAIN PROOF (min)	NEXT LAYER (min)	FULLY CURED (hour)
33 (18.3 L)	37-95 (2.8-35°C)	37-122 (3-50°C)	37-86 (3-30°C)	15-20 at 68°F (20°C)	30 at 68°F (20°C)	60 at 68°F (20°C)	3 at 68°F (20°C)

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TECHNICAL INFORMATION & TESTING

ALSAN RS 233 Self-Leveling Mortar requires combining one container of ALSAN RS 210 (10 kg) with one bag of ALSAN RS 223 Mixing Powder (23 kg) creating a 33 kg work pack. The mixing ratio is 1 to 2.3 resin to powder respectively.

APPROXIMATE COVERAGE RATES

SUBSTRATE PROFILE	33 KG UNIT ft² (m²)	MINIMUM TOTAL CONSUMPTION kg/ft² (kg/m²)	TOTAL THICKNESS mils(mm)
Smooth to CSP-3	80 (7.4)	0.42 (4.5)	79 (2.0)
CSP4	77 (7.2)	0.43 (4.6)	83 (2.1)
Rough to CSP-5	74 (6.9)	0.44 (4.8)	87 (2.2)

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

CATALYST MIXING CHART

CATALYST REQUIRED	6% Catalyst 37°F (2.8°C) to 50°F(10°C)		4% Catalyst 50°F (10°C) to 68°F (20°C)		2% Catalyst 68°F (20°C) to 95°F (35°C)	
33 kg work pack	**6** 0.1 kg packets		**4** 0.1 kg packets		**2** 0.1 kg packets	
1 kg (ALSAN RS 233 SELF LEVELING MORTAR)	TBSP	kg	TBSP	kg	TBSP	kg
	3	0.018	1	0.012	0.5	0.006
1 liter (~1.8 kg) (ALSAN RS 233 SELF LEVELING MORTAR)	3	0.033	2	0.022	1	0.011

PHYSICAL PROPERTIES

PROPERTY		TEST METHOD
Mix density @ 73.4°F (23°C), lb/gal (g/ml)	15.1 (1.8)	ASTM D1475
Viscosity, stormer type @ 77°F (25°C), KU (cps)	77 (690)	ASTM D562 (Method A)
Indention hardness @ 73.4°F (23°C), Shore A	91	ASTM D2240
Abrasion resistance, 4" disc, lb (mg)	0.00045 (203)	ASTM D4060

** All data is represented by averages, unless noted otherwise.*

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