

# DERBIFLASH RS 233 SL MORTAR

## DESCRIPTION

Derbiflash RS 233 SL (Self-Leveling) Mortar is two component, rapid curing, polymethyl-methacrylate (PMMA) resin based mortar designed for use as a repair and levelling mortar for Derbiflash RS Systems. Derbiflash RS 233 SL Mortar requires combining one container of Derbiflash RS 210 (10 kg) with one bag of Derbiflash RS 223 Mixing Powder (23 kg) creating a 33 kg work pack.

## SURFACE PREPARATION

All surfaces must be free of gross irregularities, loose, unsound or foreign material. Included, but not limited to, conditions are dirt, moisture, oil, grease, release agents, paints and coatings, lacquers, excess granules, roof cements, loose granules or any other substances that may prohibit adhesion.

## MIXING INSTRUCTIONS

Using a slow-speed (200-400 rpm) mechanical agitator, thoroughly mix the entire container of Derbiflash RS 210 resin for two minutes. Transfer the resin to a clean, dry container large enough to accommodate for the combined resin and powder components.

Slowly add the entire bag of Derbiflash RS 223 Mixing Powder to the resin and continue mixing for 2 - 5 minutes until a smooth lump free mortar consistency is achieved.

Only catalyze the amount of material that can be used within 15 - 20 minutes. Add the pre-measured catalyst to the resin mortar mixture and stir for two minutes before applying to substrate. The amount of catalyst required is determined by resin weight and ambient temperature. Refer to the catalyst information below.

CATALYST RATES *			
<b>Ambient Temperature</b>	37 - 49°F	50 - 68°F	69 - 95°F
<b>Catalyst Required</b>	<b>6</b> 0.1 KG packets	<b>4</b> 0.1 KG packets	<b>2</b> 0.1 KG packets

\*Derbiflash RS Catalyst rates are based on weight of the resin component only (not the mixed mortar).



## WORKING TIMES\* (at 68°F)

<b>Pot Life</b>	15 - 20 minutes
<b>Rain Proof</b>	30 minutes
<b>Next Coat</b>	60 minutes
<b>Fully Cured</b>	3 hours

## WORKING TEMPERATURES

<b>Ambient Temp</b>	32 - 95°F
<b>Substrate Temp</b>	32 - 122°F
<b>Resin Temp</b>	37 - 86°F

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

## APPROXIMATE COVERAGE RATES (per 33 KG) \*

<b>Typical</b>	~ 80 SQ FT @ 79 mils
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\*15 KG = 13.5 KG Derbiflash RS Textured Base mixed with 1.5 KG Derbiflash RS color additive.

## APPLICATION

Apply Derbiflash RS 233 SL Mortar using a notched trowel and pin roller. Prior to application, refer to the published specifications and approved details for complete application instructions. The applicator is responsible for ensuring conditions are appropriate to proceed with proper application method. **IMPORTANT: Allow Derbiflash RS 233 Self-Levelling Mortar to fully cure before applying next Derbiflash RS component or surfacing.**

**For complete application instructions refer to the Derbiflash RS Application Guide for specifications and details.**

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## TECHNICAL CHARACTERISTICS\*

PROPERTY	VALUE
<b>Color</b>	Grey
<b>Size</b>	33 KG
<b>VOC content</b>	< 5 g/L

PROPERTY/UNIT	PROPERTY	ASTM TEST METHOD
<b>Mix Density</b> @ 73.4°F (23°C)	<b>15.1 lb/gal</b> (1.8 g/mL)	<b>D1475</b>
<b>Viscosity</b> @ 73.4°F (23°C)	<b>77 KU</b> (690 cPs)	<b>D562</b> Method A
<b>Impact Resistance</b> @ 73.4°F (23°C)	<b>Shore A: 91</b>	<b>D2240</b>
<b>Abrasion Resistance</b> 4 inch Disc	<b>0.00045 lb</b> (203 mg)	<b>D4060</b>

\* All values shown are nominal and subject to normal manufacturing tolerances.

## CLEAN UP

Brushes and rollers will remain pliable and usable if they are kept moving in liquid resin. If allowed to sit, they will stiffen quickly as resin begins to cure. Rollers and brushes should be discarded once they harden. Roller handles and metal tools may be cleaned with Derbiflash RS Cleaner. To minimize cleaning, wipe reusable handles and tools with clean, dry cloth as needed before resin components cure.

## STORAGE & HANDLING

Store containers away from excessive heat and open flames. Containers should be stored in a cool, dry indoor environment at temperatures between 32 - 77°F. PROTECT FROM FREEZING. Approximate shelf life is 12 months from date of shipment when properly stored, sealed and unmixed.

