

## PRODUCT DATA SHEET

# Sika®-1 Pre-bag Render Mortar

### PRE-BAGGED RENDER MORTAR

#### PRODUCT DESCRIPTION

Sika®-1 Pre-bag Render Mortar is part of the Sika® 1 Pre-Bagged Structural Waterproofing System. These special mortars are pre-bagged kiln dried blends of specially graded aggregates and cements, with waterproofing admixtures, packaged in 4 grades at the appropriate mix ratios for optimum application performance and durability. When mixed with water they provide the multicoat components for the structural waterproofing systems

#### USES

- Internal waterproofing of below ground structures to meet the requirements of BS8102:2009 Grades 1 - 3
- Waterproofing of swimming pools and other water retaining structures
- Waterproofing of basements, cellars and vaults
- Waterproofing of tunnels

#### CHARACTERISTICS / ADVANTAGES

- Type A waterproofing system according to BS8102:2009
- Proven resistance to hydrostatic back pressure
- Fully bonded waterproofing barrier
- Can be applied to wet substrates
- For use on concrete, brick and structural blockwork
- Can be used internal and externally
- Can be applied to wall, floors and soffits
- Quality controlled system
- Used for negative or positive water pressure situations

#### PRODUCT INFORMATION

<b>Packaging</b>	Supplied in 25kg Packs with a coloured Brown Band	
<b>Appearance / Colour</b>	Graded kiln dried aggregates, OPC and waterproofing admixtures	
<b>Shelf Life</b>	Minimum 6 months in original unopened sealed packs	
<b>Storage Conditions</b>	Stored in dry condition at temperatures between +10°C and +30°C	
<b>Density</b>	2200 kg/m <sup>3</sup>	
<b>Compressive Strength</b>	80 N/mm <sup>2</sup>	(EN 12190)
<b>Flexural Strength</b>	11.4 N/mm <sup>2</sup>	(EN 196-1)
<b>Capillary Absorption</b>	0.113	(EN 13057)
<b>Consumption</b>	Mix each 25 kg bag Sika®-1 Pre-bag Render Mortar with 3.1L of clean water. A mixed 25kg bag of Sika®-1 Pre-bag Render Mortar will yield ~12.3L of mortar which is sufficient to cover ~2m <sup>2</sup> at 6mm thick	

## APPLICATION INSTRUCTIONS

### WALLS/BRICK:

All existing treatments shall be completely removed and the exposed surfaces roughened by mechanical or water blasting techniques, followed by washing down and brushing to ensure full removal of all loose material. Mortar joints should be bonded and sound. Any defective mortar joint should be raked out to a depth of 12.0mm and repointed using Sika®-1 Finishing Mortar made up with clean water.

### WALLS/CONCRETE:

All laitance shall be removed to expose coarse aggregate by mechanical or water blasting techniques. On new concrete walls retarder can be applied to the face of the shuttering followed by wire brushing and washing of concrete surfaces.

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be structurally sound and generally brickwork, dense concrete block and concrete normally provide satisfactory substrates. All surfaces should be clean and free from surface contaminants and laitance to achieve an adequate bond.

### MIXING

Place the correct amount of water into a mixer, add the mortar and mix until the water has been fully combined, approximate 3 minutes. The Sika®-1 Pre-bag Render Mortar should be mechanically mixed using a forced action mixer or drill and paddle mixer to limit the amount of air entrapment. A tumble mixer is not suitable for mixing.

### APPLICATION

Refer to Sika-1 Waterproofing system datasheet for full application methods

### LIMITATIONS

Refer to Sika-1 Waterproofing system datasheet for full limitations.

### VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

### ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

### LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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**Product Data Sheet**  
Sika®-1 Pre-bag Render Mortar  
December 2019, Version 01.01  
020701010010000295

Sika-1Pre-bagRenderMortar-en-IE-(12-2019)-1-1.pdf

