

## PRODUCT DATA SHEET

# Sika® Block Joining Mortar

READY TO USE MORTAR FOR FIXING AAC BLOCKS, CONCRETE BLOCKS & FLY ASH BRICKS

### DESCRIPTION

Ready to use grey cement based non-shrink, self-curing mortar for fixing AAC blocks, Concrete blocks, fly ash bricks etc.

### USES

Fixing and Jointing masonry units like AAC blocks, Concrete blocks, fly ash bricks etc.

### CHARACTERISTICS / ADVANTAGES

- Ready to use, only water to be added.
- Thinner jointing material with very high tensile adhesion strength improving the overall masonry strength.
- Better bond than conventional cement based mortar
- Faster to apply due to good spreadable properties.
- Excellent high strength & water retention properties
- Economical as quantity of mortar is less than conventional mortar
- Self-curing.

### PRODUCT INFORMATION

<b>Chemical Base</b>	Cementitious mortar modified with polymers.	
<b>Packaging</b>	30 kg bag	
<b>Appearance / Colour</b>	Grey powder	
<b>Shelf Life</b>	6 months from date of production	
<b>Storage Conditions</b>	Stored properly in original unopened, sealed and undamaged packaging in dry and cool conditions.	
<b>Density</b>	Bulk Density : ~1.33 kg/l (at +27°C)	
<b>Compressive Strength</b>	>6 N/mm <sup>2</sup> at 28 days	(According to EN 1015-11)
<b>Tensile Adhesion Strength</b>	≥0.8 N/mm <sup>2</sup>	(According to EN1348)
<b>Consumption</b>	~3 -4 kg powder required / Sqm for 3 mm average thickness.	
<b>Layer Thickness</b>	3-4 mm	
<b>Ambient Air Temperature</b>	+5°C min. / +45°C max.	
<b>Substrate Temperature</b>	+5°C min. / +45°C max.	
<b>Pot Life</b>	90 minutes	

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be structurally sound, laitance free, clean and free from dirt, oil, grease, other con-

taminants and loose or friable particles. Pre-wetting of substrate is essential with maximum saturation of water but saturated surface dry (S.S.D.) condition.

## MIXING

Water: Powder = 0.22 to 0.24 by weight (6.6l to 7.2 l water per 30 kg bag). Mixing Time : 3 minutes minimum

## APPLICATION

Sika® Block Joining Mortar must be mechanically mixed using a forced action mixer or in a clean container using a drill and mixing paddle (< 500 rpm). A normal concrete mixer is not suitable. Mix thoroughly with clean water for a minimum of 3 minutes. Leave material to stand in container until the majority of bubbles have dispersed (minimum 5 minutes). Then re-mix the material for 15 seconds - the product is now ready for use.

If the substrate is very porous, if the temperature is high and/or the relative humidity low, it is advisable to dampen the surface. Do not leave any standing water. Apply a thin uniform Layer of Sika® Block Joining Mortar 2 to 3 mm thick on the clean & levelled surface of masonry units using proper trowel

Place the next course of masonry units on evenly jointing mortar bed in proper line & level. Each masonry unit shall be properly bedded and set in position by gently pressing with handle of trowel.

Inside unit of the masonry unit shall be applied with mortar before the next unit is laid & pressed against it especially in case of bricks.

Clean the excess material, if any immediately. Continue the procedure for the entire masonry work.

Do not disturb the blocks /bricks setting for first 24 hours.

## CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

## LIMITATIONS

Cementitious substrates must be at least 28 days old. Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Do not exceed the maximum layer thickness.

Protect freshly applied material from freezing and rain etc.

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## BASIS OF PRODUCT DATA

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

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

## 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.

SikaBlockJoiningMortar-en-IN-(08-2019)-1-1.pdf

Product Data Sheet  
Sika® Block Joining Mortar  
August 2019, Version 01.01  
020405020050000038

