

PRODUCT DATA SHEET

SikaMur[®]-100 Blockfix AE

CEMENT BASED PREMIXED MASONRY MORTAR

DESCRIPTION

SikaMur[®]-100 Blockfix AE is a cementitious, pre-bagged, one component mortar that requires only addition of water at site. Contains cement, graded sand and additives to improve workability, adhesion and water retention.

Suitable for use in hot and tropical climatic conditions.

USES

As masonry mortar for regular / hollow / autoclaved aerated concrete (AAC) blocks and bricks.

CHARACTERISTICS / ADVANTAGES

- Good adhesion to various type of blocks
- Good water retention
- Extended open time
- Excellent workability

PRODUCT INFORMATION

Composition	Portland cement and selected graded aggregates.		
Packaging	40 kg bag		
Appearance / Colour	Grey powder		
Shelf life	12 months		
Storage conditions	Store in a dry area in original packaging and at temperatures between 5 °C to 35 °C. Protect from direct sunlight, heat and moisture.		
Maximum Grain Size	~0.8 mm		

TECHNICAL INFORMATION

Compressive Strength	w/p = 0.15	≥ 10 N/mm ² (28 d)	(ASTM C 109)
Tensile Adhesion Strength	w/p = 0.15	~1.0 N/mm ² (28 d)	(ASTM D 4541)

APPLICATION INFORMATION

Mixing Ratio	6.0 - 7.0 L of water per 40 kg bag		
Fresh Mortar Density	~1.6 kg/l		
Yield	~28.8 - 29.4 L (fresh mortar) per 40 kg bag		

Layer Thickness	Min. 3 mm Max. 10 mm
Ambient Air Temperature	+5 °C min. / +40 °C max.
Substrate Temperature	+5 °C min. / +40 °C max.
Pot Life	~2 h (23 °C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Blocks and bricks surface should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles.

Absorbent surfaces should be saturated thoroughly with clean water.

MIXING

Add water according to the desired consistency into a clean mixing vessel before slowly adding the SikaMur®-100 Blockfix AE powder. SikaMur®-100 Blockfix AE is best mixed in a forced action mixer, for 2 to 3 minutes or until the mix is free of lumps. Slow speed drill (maximum 500 rpm) can be also used for mixing. Normal tumble type concrete mixers are not suitable. Best results will be achieved with double paddle mixer. Do not add extra water or other ingredients. Mix only full bags for best results.

Note: In hot weather application, use chilled water to extend the open time of the mixed materials.

APPLICATION

Apply the SikaMur®-100 Blockfix AE by trowel. Place the block on mortar ensuring good contact. Check the level and continue with next block. Tool mortar joints when the surface is thumb print hard. Protect newly applied mortar from sun and wind. After setting of SikaMur®-100 Blockfix AE, curing with water will help to gain better strength.

IMPORTANT CONSIDERATIONS

Not suitable as tile adhesive / grout

BASIS OF PRODUCT DATA

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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.

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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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