

## PRODUCT DATA SHEET

# SikaMur<sup>®</sup> ThinJoint Mortar VN

### PREPACKED CEMENTITIOUS MORTAR-ADHESIVE

#### DESCRIPTION

SikaMur<sup>®</sup> ThinJoint Mortar VN is a premium quality cementitious mortar adhesive specially designed for laying of Aerated Lightweight Concrete (ALC) and Autoclaved Aerated Concrete (AAC) blocks and panels. It contains additives to give excellent adhesion and better water retentivity to facilitate optimum strength development.

#### USES

SikaMur<sup>®</sup> ThinJoint Mortar VN is developed for thin-bed laying which increases productivity and resistance against water penetration. It can be used to lay to lay ALC blocks and AAC. It is suitable for both internal and external applications.

#### CHARACTERISTICS / ADVANTAGES

- Excellent bond strength due to polymer modification of the mortar
- Consistent quality
- Convenience in handling, mixing and application
- No pre-wetting of joint surface required
- Good weather resistant and high durability

#### PRODUCT INFORMATION

<b>Chemical base</b>	Cementitious
<b>Packaging</b>	25 kg bag
<b>Appearance / Colour</b>	Powder / Grey
<b>Shelf life</b>	9 months from date of production if stored properly in unopened, original packaging.
<b>Storage conditions</b>	Dry, cool, shaded place
<b>Density</b>	1,700 - 1,800 kg/m <sup>3</sup>
<b>Compressive Strength</b>	~ 7.5 N/mm <sup>2</sup> ( 28 days) (ASTM C 349-08)
<b>Tensile Adhesion Strength</b>	~ 0.7 N/mm <sup>2</sup> ( 28 days) (TCVN 7899-2:2008)

## APPLICATION INFORMATION

Mixing ratio	22 - 25% part by weight (Approx. 5.5 - 6.2 litres of clean water per 25 kg bag)
Layer Thickness	Min. 2 mm / Max. 4 mm
Pot Life	~ 45 minutes (at 27° C/ moisture r.h 65%)

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Surface should be structurally sound, clean, free from oil, grease, dust deposits and other contaminants that may affect adhesion.

### MIXING

Pour powder SikaMur® ThinJoint Mortar VN into 5.5 - 6.2 litres clean water container and mix thoroughly using a hand-held or mechanical mixer at low speed (< 500 r.p.m) for 3 - 5 minutes until a homogenous lump-free paste is achieved. Allow mixture to stand for a few minutes for additives to dissolve and thoroughly re-mix for another 1 minute before using.

### APPLICATION

Apply SikaMur® ThinJoint Mortar VN onto clean joint substrate with an appropriate notched trowel by spreading evenly to the entire horizontal and vertical surfaces of blocks. The material can be applied at a recommended thickness of 2 - 4 mm. Ensure good contact is achieved between mortar adhesive and block surface. This is best achieved by laying the block as soon as the mortar is applied. The blocks can be adjusted to proper alignment by using a rubber mallet. Do not apply more than 2 blocks length at a time.

The wet mix should be used within the pot-life.

### CLEANING OF TOOLS

Remove non-hardened SikaMur® ThinJoint Mortar VN products from tools and equipment with water. Hardened material can only be removed mechanically.

## IMPORTANT CONSIDERATION

- Take precautions to protect application from direct sun and/or strong wind.
- Do not add water under or over recommended dosage

## 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

**Ecology:** Do not dispose into water

**Transportation class:** Non-hazardous

**Waste disposal:** According to local law

**Important notes:** SikaMur® ThinJoint Mortar VN is cement base and therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention.

## 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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