

PRODUCT DATA SHEET

SikaMur[®]-100 Ready Mix VN

Multifunctional dry mixed mortar - grade 100#

DESCRIPTION

SikaMur[®]-100 Ready Mix VN is a ready-mixed, high quality dry mortar with grade 100#, mixed and packaged at the factory. Ingredients of SikaMur[®]-100 Ready Mix VN are Polymer cement-based mortar, selected sand (removed from toxic impurities such as mud, organic and inorganic impurities) and multi-functional additives.

USES

SikaMur[®]-100 Ready Mix VN is a multifunctional dry mixed mortar with grade 100#, used as floor screening, building and plastering on indoor and outdoor walls.

CHARACTERISTICS / ADVANTAGES

- Quality of SikaMur[®]-100 Ready Mix VN is assured at the factory and meets national standards:** Clean mortar – its durability is 2-3 times higher than traditional mortar.
- Easy to use, shortened 1/4 execution time, put to use early:** by reducing waiting time between stages, no need to sand screening and decrease 90 % of cleaning time and the process for transporting waste out.
- Usage range:** indoor and outdoor.
- Save 15% of materials as compared to traditional mortar:** SikaMur[®]-100 Ready Mix VN is light, only equal to two third of density of traditional mortar. Plastering thickness of SikaMur[®]-100 Ready Mix VN is, only equal to two third of traditional mortar and specially Loss rate is insignificant. Reduce over 97% of rate of loss in the use of materials in accordance with allowable loss rate speculated by the State.
- Environmentally friendly.**

PRODUCT INFORMATION

Packaging	25 kg per bag.
Shelf life	Min 9 months if stored properly in unopened, original packaging.
Storage conditions	Dry, cool and shaded place.
Appearance / Colour	Powder / Grey
Density	1,690 kg/m ³ dry.

TECHNICAL INFORMATION

Compressive Strength	At least 100 kg/cm ² after 28 days.	TCVN 4314:2003
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APPLICATION INFORMATION

Consumption	Consumption is always dependent on the substrate surface profile and roughness. Coverage: ~21 kg/1m ² /cm thickness.
Mixing ratio	Approx 3.5 - 4.5 L of clean water per 25 kg bag.
Substrate Temperature	Minimum 8°C Maximum 40°C

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, formwork traces and loosely adhering particles by sand blasting or high pressure water jetting. Absorbent substrates must be pre-wetted to saturated surface dry condition.

To enhance the adhesion between the mortar and the substrate, it is recommended to use a Sika Latex bonding coat with a ratio of: 1 liter Sika Latex + 1 liter water + 4 kg cement.

MIXING

Add approximately SikaMur®-100 Ready Mix VN powder to approx 3.5 - 4.5 L of clean water and mix thoroughly using a mechanical mixer for 3-5 minutes until a homogeneous lump-free paste is achieved. Allow the mix to stand 1-2 minute and thoroughly re-mix for another 1 minute before using.

APPLICATION

The layer mortar of SikaMur®-100 Ready Mix VN is completed and smoothed by the Styrofoam float. In cases where multiple layers of mortar are required, the first layer must be leveled, then properly roughened and allowed to dry for 7 days before applying the second layer. To increase the adhesion between the mortar layers, it is recommended to use a Sika Latex bonding coat with a ratio of: 1 liter Sika Latex + 1 liter water + 4 kg cement.

CLEANING OF TOOLS

Remove non-hardened SikaMur®-100 Ready Mix VN products from tools and equipment with water. Hardened material can only be removed mechanically.

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.

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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