

PRODUCT DATA SHEET

Sika® Leveling Mortar

LEVELING COMPOUND ON CONCRETE FOR DOMESTIC OR COMMERCIAL AREAS

DESCRIPTION

Sika® Leveling Mortar is a prebagged, one component floor topping compound to pre-level concrete floors in domestic or commercial buildings.

USES

Sika Leveling Mortar is suitable for :

- Vinyl Tiles
- Carpet
- Timber Sport Floors
- Parquet floors
- Prefabricated Flooring Systems
- Roof Membrane

CHARACTERISTICS / ADVANTAGES

- Prebagged at the factory - consistent quality
- Easy to mix
- Selfsmoothing and highly fluid
- Suitable for thickness' ranging from 5 to 9 mm
- Placeable manually or by pump
- 18 hours walk on time
- Non-toxic and non-corrosive
- Chloride and iron-free

PRODUCT INFORMATION

Packaging	25 kg / bags
Appearance / Colour	Concrete Grey prebagged powder
Shelf life	6 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in cool and dry conditions, protected from direct sunlight.
Bulk Density	~ 1.75 kg/l

TECHNICAL INFORMATION

Compressive Strength	18% Water	1 day	3 days	7 days	28 days
		>5	>25	>30	>35

APPLICATION INFORMATION

Mixing Ratio	Flowable consistency: 4.5 - 5 liters of water per 25 kg of powder.
Fresh Mortar Density	~ 2.10 - 2.15 kg/l
Consumption	Approximately 2.1 kg/m ² for 1 mm thickness
Pot Life	Minimum 40 minutes (30°C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surfaces should be clean, free from oil, grease, laitance and loosely adhering particles. A few hours prior to leveling work, the substrate must be properly saturated with clean water. Remove standing water prior to starting work.

Priming For better bonding we recommend to roller apply Sika Latex diluted with water 1 : 1 by volume at a consumption rate of 100 - 200 g/m²

Important Note: Apply the Sika Leveling Mortar onto the still sticky primer.

MIXING

Sika® Leveling Mortar should be mechanically mixed in a clean container using a heavy - duty drill and paddle or a forced - action mixer. A normal tilting drum concrete mixer is not suitable. According to the mixing ratio (4.6-4.8 liters per 25 kg bag) :

- First place the water into the clean mixing container and add Sika® Leveling Mortar slowly while mixing. Ensure a minimum mixing time of 3 minutes.
- During mixing, the mortar will initially have a visibly stiff appearance, but upon continuous stirring, it will become free-flowing. Hence, do not add more water than the recommended maximum mixing ratio. The speed of the mixer should not exceed 500 rpm to minimize air entrainment.
- After mixing, stir lightly with a spatula for a few seconds to release any entrapped air. Pour the free flowing mortar immediately onto the prepared concrete floor and distribute with notched trowel or rake depending on thickness to be installed.

Go over freshly laid material with spike roller to release entrapped air and improve flatness in thinner sections.

APPLICATION

Curing as such is not required for indoor use. After application however it is recommended to close windows and doors in order to avoid premature moisture loss, which may cause cracking.

If used outdoors i.e. preleveling of flat roofs, terraces etc, it is recommended to shade the area and protect against strong wind and rain.

"Outgasing" concrete can cause bubble formation during stiffening of Sika® Leveling Mortar. Resulting "Crater" can be saned back next day if necessary.

Porous concrete substrate may absorb mixing water from the Sika® Leveling Mortar and lead to spider web like pattern on the cured Sika® Leveling Mortar.

At temperatures of 25°C and below, setting time and strength development will be slower.

CLEANING OF EQUIPMENT

Clean all tools and equipment with water immediately after use. Hardened mortar can only be mechanically removed.

IMPORTANT CONSIDERATIONS

At temperatures of 25°C and below, setting time and strength development will be slower.

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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.

Sika (Thailand) Limited

700/37 Moo 5 Amata City Chonburi
Industrial Estate, T. Klong Tamhru
A. Muang, Chonburi 20000, Thailand
Tel : +66 3810 9500
E-mail : sikathai@th.sika.com
Website: tha.sika.com



Product Data Sheet

Sika® Leveling Mortar
January 2020, Version 01.02
020815020010000031

SikaLevelingMortar-en-TH-(01-2020)-1-2.pdf