

# PRODUCT DATA SHEET

## SikaTile®-340 Standard

### STANDARD TILE ADHESIVE FOR CERAMIC AND GRANITO

#### DESCRIPTION

SikaTile®-340 Standard is a general cement-based tile adhesive for ceramic and clay tile with a single component, pre-packed tiling adhesive mortar combining cement with selected grades of sand and several additives. Only requires the addition of water.

#### USES

- Perfect for ceramic floor and wall tiles. Interior and exterior use.
- Suitable for porcelain, granito up to 60x60 cm. Interior floor and wall installation.
- Can be used for porcelain, granito exterior floor installation only.
- Substrates: Cement.

#### PRODUCT INFORMATION

Composition	Hydraulic binder, mineral filler, polymer, and admixtures
Packaging	20 kg/ bag
Shelf life	12 months from date of production if stored in undamaged and unopened, original sealed packaging
Storage conditions	Store in dry condition and protected from direct sunshine
Appearance and colour	Grey powder
Density	1.4 ± 0.1 kg/L
pH-Value	12 ± 1

#### TECHNICAL INFORMATION

Tensile adhesion strength	At 28 days		EN 12004
	Initial	≥ 0.5 MPa	ISO 13007
Shear adhesion strength	<b>Glazed Wall Tile</b>		ANSI 118.1
	7 days	≥ 1.38 MPa	
	7 days water immersion	≥ 1.03 MPa	

#### FEATURES

- Good bonding strength.
- Extended open time resulting in faster application.
- Tile can be adjusted after laying within 15 minutes.
- Smooth and easy to use.
- Low VOCs

#### CERTIFICATES AND TEST REPORTS

ANSI 118.1

**Porcelain Mosaic Tile**

ANSI 118.1

1 day	≥ 0.34 MPa
7 days	≥ 1.03 MPa
7 days water immersion	≥ 0.69 MPa
28 days	≥ 1.03 MPa
12 weeks	≥ 1.03 MPa

Slip resistance ≤ 0.5 mm

**APPLICATION INFORMATION**

Consumption	Trowel Size	Tile Size (cm x cm)	Tile Surface (cm <sup>2</sup> )	Consumption (20 kg)
3 mm		2.5 x 2.5	6.25	7 - 8 m <sup>2</sup>
		5 x 5	25	
6 mm		10 x 10	100	5 - 6 m <sup>2</sup>
		20 x 20	400	
		20 x 25	500	
		30 x 30	900	
9 mm		40 x 40	1,600	2 - 3 m <sup>2</sup>
		50 x 50	2,500	
		60 x 60	3,600	
		> 60 x 60	> 3,600	

**Note :**

1. This is an average calculation. Actual usage may differ from the estimate. Due to the different surface conditions. Surface absorption and the purpose of the individual's use.
2. For tile sizes larger than 40x40 cm, apply tile adhesive on the surface and a very thin layer on the back of the tile.

Ambient air temperature	+5°C to +35°C
Mixing ratio	Approximate 4.8 to 5.4 litre water per bag 20 kg
Pot Life	180 - 240 minutes (at 25°C)
Open Time	20 - 25 minutes (at 25°C)
Adjustability time	15 - 20 minutes (at 25°C)
Applied product ready for use	~ 24 hours

**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.

**IMPORTANT CONSIDERATIONS**

- Maximum weight of tile for interior wall application is 30 kg/ m<sup>2</sup>.
- Use a proper notched trowel to spread the adhesive onto the substrate with the flat side of the trowel until it is smooth.
- Use the notched side of the trowel to create an even adhesive bed. minimum bed thickness is
  - 2 mm. for wall
  - 3 mm. for floor
 (size depends on the thickness of tiles)
- Ensure the adhesive is wet when the tiles are laid and tapped into the position to ensure full contact with the adhesive. Do not spread more than 1 sqm at once.
- Once the tiles have been laid, leave to stand for 24 hours or the tile adhesive is dry before grouting with

SikaTile Tile Grout.

- Refer to the Safety Data Sheet.

**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.

# APPLICATION INSTRUCTIONS

## SUBSTRATE QUALITY / PRE-TREATMENT

- Substrate should be sound, clean, and without any trace of oil. The level should be considered.
- Painted surfaces must be abraded to expose at least 80% of the original substrate.
- New concrete must be allowed to cure at least 28 days.
- New render must be allowed to cure at least 7 days per 1 cm of thickness.
- Dampen the substrate to decrease water absorption before tiling

## MIXING

- Mix SikaTile®-340 Standard 20 kg with 4.8 - 5.4 Litres of clean water with electrical mixer until the compound is evenly distributed.
- Allow the mixture to stand for 2 - 3 minutes for a good reaction and reduce air bubbles before using the adhesive.

## APPLICATION

- Spread tile adhesive by using a notched trowel onto the substrate.
- Fix tile on tile adhesive and knock it over with a rubber hammer.
- Dual bonding should be applied when the tile size is larger than 25 cm x 25 cm. Apply a thin layer of tile adhesive onto the back of the tile, then fix the tile onto the adhesive substrate.
- Once the tiles have been laid, leave them to stand for 24 hours or until the tile adhesive is dry before grouting with SikaTile Tile Grout.

## 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.

## 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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