

PRODUCT DATA SHEET

SikaTile®-310 Lite

CEMENT BASED TILE ADHESIVE FOR CERAMIC AND CLAY TILE

DESCRIPTION

SikaTile®-310 Lite 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 admixtures. It only requires the addition of water.

USES

- Suitable for fixing ceramic tile up to 40 x 40 cm.
- Exterior and Interior Floor
- Interior wall
- Substrates: Cement

FEATURES

- Good bonding strength
- Adhesion is better than black cement.
- Good value tile adhesive to replace traditional mortar
- Easy to use
- No need for pre-soaking tiles

PRODUCT INFORMATION

Composition	Hydraulic binder, mineral filler 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	1.2 ± 0.1 kg/L
pH-Value	12 ± 1

TECHNICAL INFORMATION

Tensile adhesion strength	Initial ≥ 0.5 MPa
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APPLICATION INFORMATION

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

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 4.5 to 5 litre water per bag 20 kg
Pot Life	180 - 240 minutes (at 25°C)
Open Time	10 - 15 minutes (at 25°C)
Adjustability time	10 - 15 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 15 kg/ m².
- 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.

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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®-310 Lite 20 kg with 4.5 - 5 Litres of clean water with an 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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