

PRODUCT DATA SHEET

SikaTile®-560 XL Stone Guard

PREMIUM TILE ADHESIVE FOR NATURAL STONE, MINIMIZING EFFLORESCENCE.

DESCRIPTION

SikaTile®-560 XL Stone Guard is a premium-grade tile adhesive that resists efflorescence while providing superior bonding strength. This single-component, prepacked mortar combines cement, precisely graded sand, and specialized additives, requiring only water for easy application.

USES

- Ideal for natural stone and porcelain
- Suitable for large-format tiles and heavy-duty applications
- Recommended residential and commercial floor or wall tiling.
- Suitable for both interior and exterior tile installations
- Compatible with waterproof membranes
- Applicable to various substrates, including concrete, mortar, cement render, and existing tiles

FEATURES

- Minimizes efflorescence formula
- Ideal for laying tiles in areas with high humidity like fountains, signboards, columns, stairs & steps
- Durability in extreme conditions: Resistant to temperature fluctuations and water exposure
- Premium bonding strength
- Laying tiles on existing internal tiles
- Reduced vertical slipping
- Smooth application
- Eco-Friendly and Low VOCs

CERTIFICATES AND TEST REPORTS

- EN 12004 C2TE
- ANSI 118.4

PRODUCT INFORMATION

Composition	Hydraulic binder, mineral filler, and additives
Packaging	20 kg/ bag
Appearance and colour	Grey powder
Shelf life	12 months from the date of production if stored in undamaged and unopened, original sealed packaging
Storage conditions	Store in dry conditions and protected from direct sunshine
Density	~1.25 kg/L
pH-Value	12 ± 1

TECHNICAL INFORMATION

Tensile adhesion strength	At 28 days		EN 12004 C2E ISO 13007
	Initial	≥ 1.0 MPa	
	Water immersion	≥ 1.0 MPa	
	Heat aging	≥ 1.0 MPa	
	Open time bonding after 20 min	≥ 0.5 MPa	
	Extended open time after not less than 30 min	≥ 0.5 MPa	
Slip resistance	≤ 0.5 mm (T)		
Shear adhesion strength	Glazed Wall Tile		ANSI 118.4
	7 days	≥ 2.07 MPa	
	7 days water immersion	≥ 1.38 MPa	
	Porcelain Mosaic Tile		
	1 day	≥ 0.5 MPa	
	7 days	≥ 1.38 MPa	
	7 days water immersion	≥ 1.03 MPa	
	28 days	≥ 1.38 MPa	
	12 weeks	≥ 1.38 MPa	
	Quarry Tile		
	28 days	≥ 1.03 MPa	

APPLICATION INFORMATION

Mixing ratio	Approximate 5.0-5.6 litres of water per 20 kg bag		
Consumption	Consumption depends on the substrate surface profile and roughness, the tile size and joint spacing, and the application technique. As a guide		
	Trowel Size	Tile Size (cm x cm)	Tile Surface (cm²)
	3 mm	2.5 x 2.5	6.25
		5 x 5	25
	6 mm	10 x 10	100
		20 x 20	400
		20 x 25	500
		30 x 30	900
	9 mm	40 x 40	1,600
		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 on the back of the tile.		
Ambient air temperature	+5°C to +35°C		
Pot Life	180 - 240 minutes (at 25°C)		
Open Time	25 - 30 minutes (at 25°C)		
Applied product ready for use	~24 hours		
Adjustability time	15 - 20 minutes (at 25°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.

IMPORTANT CONSIDERATIONS

- Even tile adhesives formulated to reduce efflorescence cannot completely prevent it. For optimal performance, a complete Anti-Efflorescence System should be applied—starting with waterproofing, followed by the adhesive, and finishing with the grout. For technical assistance, please contact the Sika Technical Department.
- Maximum weight of tile for interior/ exterior wall application is 40 kg/ m².
- Maximum weight of tile for swimming pool wall/floor application is 40 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. The minimum bed thickness is 2 mm for the wall and 3 mm for the 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 tile adhesive has dried, wait approximately 24 hours 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 for at least 28 days.
- New render must be allowed to cure for at least 7 days per 1 cm of thickness.
- Dampen the substrate to decrease water absorption before tiling.

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SikaTile®-560 XL Stone Guard
November 2025, Version 01.01
021710102000243909

MIXING

- Mix SikaTile®-560 XL Stone Guard 20 kg with 5.0-5.6 Litres of clean water with an electrical mixer using a low speed 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.
- The resulting mix has a very creamy consistency and is easy to apply and spread.

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 exceeds 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.

SikaTile-560XLStoneGuard-en-TH-(11-2025)-1-1.pdf