

# PRODUCT DATA SHEET

## SikaTile®-360 XL

HIGH PERFORMANCE CEMENT BASED TILE ADHESIVE FOR BIG TILE



มอก. 2703-2566  
ชั้นคุณภาพทั่วไป

### DESCRIPTION

SikaTile®-360 XL is a high-performance cement-based tile adhesive with polymer-modified as 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

- Suitable for large tiles up to 100x100 cm and low porous tiles such as porcelains, granites, marbles, and natural stones (Please contact our technical team before applying tile larger than 60 x 60 cm. on wall)
- Can be used for ceramic and clay tile applied in small swimming pools. (water pressure  $\leq$  0.15 bar)
- Wall and Floor
- Exterior and Interior
- Substrates: Cement. It is also suitable for tiling onto waterproof membranes in wet areas.

### FEATURES

- Dedicated to low porous tiles and big tile size
- Excellent bond strength and extended open time
- Extended open time resulting in faster application
- Tile can be adjusted after laying within 15 minutes
- Spread more easily and evenly.
- It is also suitable for tiling onto waterproof membranes in wet areas i.e. bathrooms or kitchens. (Upon testing with our technical team before applying.)

### SUSTAINABILITY

- LEED v4 and v4.1 BETA
- WELL Building Standard™

### CERTIFICATES AND TEST REPORTS

- EN 12004 C1TE
- ANSI 118.1
- TIS 2703-2566

### PRODUCT INFORMATION

Composition	Hydraulic binder, mineral filler, polymer and admixtures
Packaging	20 kg/ bag 25 kg/ bag
Appearance and colour	Grey Powder
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
Density	1.3 $\pm$ 0.1 kg/L
pH-Value	12 $\pm$ 1

## TECHNICAL INFORMATION

<b>Tensile adhesion strength</b>	<b>At 28 days</b>		EN 12004 C1TE ISO 13007
	Initial	≥ 0.5 MPa	
	Water immersion	≥ 0.5 MPa	
	Heat aging	≥ 0.5 MPa	
	Open time bonding after 20 min	≥ 0.5 MPa	
	Extended open time after not less than 30min	≥ 0.5 MPa	
<b>Slip resistance</b>	≤ 0.5 mm		
<b>Shear adhesion strength</b>	<b>Glazed Wall Tile</b>		ANSI 118.1
	7 days	≥ 1.38 MPa	
	7 days water immersion	≥ 1.03 MPa	
	<b>Porcelain Mosaic Tile</b>		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	

## APPLICATION INFORMATION

<b>Mixing ratio</b>	Approximate 4.8 to 5.6 litre water per bag 20 kg. Approximate 6.0 to 7.0 litre water per bag 25 kg.				
<b>Consumption</b>	<b>Trowel Size</b>	<b>Tile Size (cm x cm)</b>	<b>Tile Surface (cm<sup>2</sup>)</b>	<b>Consumption (20 kg)</b>	<b>Consumption (25 kg)</b>
	3 mm	2.5 x 2.5 5 x 5	6.25 25	7 - 8 m <sup>2</sup>	9 - 10 m <sup>2</sup>
	6 mm	10 x 10 20 x 20 20 x 25 30 x 30	100 400 500 900	5 - 6 m <sup>2</sup>	6.5 - 7.5 m <sup>2</sup>
	9 mm	40 x 40 50 x 50 60 x 60 > 60 x 60	1,600 2,500 3,600 > 3,600	2 - 3 m <sup>2</sup>	2.5 - 3.5 m <sup>2</sup>
<p>Note :</p> <p>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.</p> <p>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.</p>					
<b>Ambient air temperature</b>	+5°C to +35°C				
<b>Pot Life</b>	180 - 240 minutes (at 25°C)				
<b>Open Time</b>	20 - 25 minutes (at 25°C)				
<b>Applied product ready for use</b>	~ 24 hours				
<b>Adjustability time</b>	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

- Only ceramic and clay tiles are allowed for use in small swimming pools with water pressure ≤ 0.15 bar
- Maximum weight of tile for interior/ exterior 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. 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 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®-360 XL
  - 20 kg with 4.8 - 5.6 Litres of clean water
  - 25 kg with 6.0 - 7.0 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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### Product Data Sheet

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