

PRODUCT DATA SHEET

SikaTile®-480 Dustless Premium Tile Adhesive

Premium Performance C2TS1-type, cement-based tile adhesive for various applications.

DESCRIPTION

SikaTile® 480 Dustless Premium is a premium performance, cement-based tile adhesive complies with PNS ISO 13007:2014 for C2TS1 classification. It is designed with superior and premium bond strength, anti-slip technology, and provides flexibility to accommodate substrate movement.

USES

SikaTile® 480 Dustless Premium formulated for both porous and non-porous tiles, including glass mosaics, glazed ceramics, granite, slate, and natural stone. Designed for interior and exterior applications, it delivers superior and premium adhesion for walls and floors.

SikaTile® 480 Dustless Premium is ideal for installing tiles on a wide range of substrates, including concrete, cement renders or screeds, blockwork, rendered brickwork, and mortar leveling layers. It is also suitable for smooth and even lightweight concrete blocks or for thick-bed applications to correct uneven surfaces.

SikaTile® 480 Dustless Premium tile adhesive is recommended for wet and fully immersed areas such as swimming pools. For optimal protection, always apply a compatible waterproofing system prior to tile installation.

CHARACTERISTICS / ADVANTAGES

Premium High Bond Strength (≥ 1.2 MPa)
Provides Flexibility recommended for movement prone areas.
Anti Slip Technology for safer installation. Offers good workability.
Dustless Technology (dust control) for cleaner applications.
Water Resistance recommended for immersed areas, ideal for swimming pools, other wet areas.
Tile-on-Tile Application can be applied directly over existing tiles.
Easy to use; simply mix with water. Non-toxic, non-flammable.

PRODUCT INFORMATION

Chemical Base	Cement, selected aggregates and additives
Packaging	25 kg per bag
Colour	Gray powder
Shelf Life	12 months from date of production if stored properly

Storage Conditions	Store properly in unopened and undamaged original sealed containers protected from direct sunlight and moisture.
Mortar mix design	22% - 24% water-to-powder ratio
Tensile Adhesion Strength	Days MPa PSI 28 ≥ 1.2 ≥ 174 (product applied using 24% water-to-powder ratio)
Mixing Ratio	5.5 to 6 liters of water per 25 kg bag, until a lump free, creamy consistency is achieved. Working Temperature: 10°C to 35°C.
Consumption	6mm x 6mm notched trowel – approx. 3.5 kg per sqm. 10mm x 10mm notched trowel – approx. 5 kg per sqm. *Disclaimer: Consumption may be higher depending on surface irregularities. Consult Sika Technical team for further application information
Pot Life	1 – 2 hours
Open Time	20 minutes
Curing Time	24 hours
Fresh mortar density	1.5 – 1.8 kg/ L

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.

LIMITATIONS

No sand, admixtures, hydraulic binders, or cement must be added. The adhesive coverage must be uniform and must cover the entire tile thoroughly.

APPLICATION INSTRUCTIONS

General Condition

All surfaces must be structurally sound, dry, clean, and free from oil, grease, wax, dust, and other contaminants. All surfaces should be dampened using a sponge or cloth immediately before application. Very porous surfaces should be properly primed to ensure adhesion.

Concrete Surfaces

Remove all release agents, especially on tilt-up slabs. New concrete must be cured for at least 28 days before application. Steel trowel finished concrete should be acid-etched or wire brushed prior to tiling.

Rendered Surfaces

Newly rendered surfaces must be cured for at least 7 days before application. Painted surfaces must be scrubbed or abraded to expose at least 75% clean surfaces.

MIXING

Add (1) 25kg bag of SikaTile® 480 Dustless Premium Tile Adhesive to approximately 5.5 to 6 liters of clean water, mixing continuously until a lump-free, creamy consistency is achieved.

APPLICATION

Prepare the adhesive as instructed. Allow the mix to stand for 1 to 2 minutes, then remix before use. Spread adhesive onto the substrate using: 6mm x 6mm notched trowel for wall tiling. 10mm x 10mm notched trowel for floor tiling. Trowel size depends on tile size, depth of knobs, grooves, or ridges on tile back, substrate evenness.

For tiles with deep grooves or ridges (e.g., slate or lugged tiles), butter coat adhesive on the back of the tile in addition to notched trowel application. Thicker adhesive beds help compensate for uneven substrates, especially slates. Do not spread more than 1 sqm of adhesive at a time.

Ensure adhesive remains wet when tiles are laid and tapped into position for full contact. Ensure no voids under tiles. Do not allow adhesive to skin over before tiling. Install tiles within the open time specified. Do not disturb or walk on tiles for 24 hours after installation. Grouting should preferably be carried out at least 24 hours after the completion of tiling. For best results use SikaTile® Grout.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured materials can be only mechanically removed.

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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