BUILDING TRUST

PRODUCT DATA SHEET

SikaTile®-350 Pro Maxset

A FLEXIBLE CEMENT-BASED TILE ADHESIVE WITH DUST LESS TECHNOLOGY DESIGN FOR LARGE FORMAT TILE INSTALLATIONS

DESCRIPTION

- SikaTile®-350 Pro Maxset is an economic polymer fortified cement-based tile and stone adhesive with Dust Less technology which reduces airborne dust in the mixing phase by up to 80%.
- SikaTile®-350 Pro Maxset is available in both white or grey.
- SikaTile®-350 Pro Maxset white is free from respirable crystalline silica.

USES

SikaTile®-350 Pro Maxset is suitable for internal and external applications on both walls and floors.

Suitable Tile Types include;

- Ceramic Tiles
- Porcelain tiles
- Natural Stone* including marble and granite etc
- Engineered stone / Man made stone*

*Not suitable for use with tile and stone sensitive to moisture/water.

Suitable Substrates Include;

- Concrete, (concrete greater than 35 MPa shall be mechanically prepared).
- Cement boards and sheets*
- Cement renders and screeds, including early ageds screeds
- Rendered block and brickwork
- Light weight construction boards coated with cement coatings
- Under tile Sika waterproofing membranes
- Gypsum Plasterboard
- Tile on Tile applications when used with SikaTile 015 Prep n Prime

*Refer to board manufacturers strict installation instructions for details and load limits.

FEATURES

- Equipped with DUST LESS Technology
- High bond strength
- Economical
- SikaTile®-350 Pro Maxset white is free from Respirable Crystalline Silca
- Flexible S1 performance
- Excellent non slump suitable for large format
- Excellent workability
- Available in both white and grey finishes
- Low VOC

PRODUCT INFORMATION

Packaging	20kg bags / 64 bags per pallet
Colour	Manufactured on both Grey and white cement (Sand source may affect final colour)
Shelf life	If unopened 12 months from date of manufacture.
Storage conditions	Store off ground in dry cool conditions. (High humidity will reduce shelf life).
Product declaration	C2TES1 as per AS ISO 13007.
Consumption	**Notched trowel size** / **Approx coverage per bag** 6mm notched trowel / 11m² 10mm Notched trowel / 6m² Consumption is always dependant on the substrate surface profile, roughness and application technique.
Pot Life	2 hours at 23°C & 50% relative humidity.
Open Time	30 minutes at 23°C & 50% relative humidity
Applied product ready for use	**USE** / **WAIT TIME** Prior to grouting / 24 hours Dry area use / 48 hours Wet area use / 7 days *Application imformation values determined at laboratory conditions: 23°C, & 50% RH. Higher temperatures will reduce wait times and lower with increase. High humidity will prolong setting times.*

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 OF USE

- SikaTile®-350 Pro Maxset is not suitable for applications over tongue and grooved timber flooring, plywood, medium density fibre board, or Masonite.
- SikaTile®-350 Pro Maxset is not suitable for moisture sensitive stone use SikaTile 440 Opti-Cure
- For applications externally above 3 meters use in conjunction with mechanical fixing / shelfing systems.
- SikaTile®-350 Pro Maxset is not suitable to be applied directly over solvent based waterproof membranes.
- The performance of cement based adhesives will be compromised when used above 35°C and under 5°C.
- Efflorescence is beyond the control of the manufacturer due to external influences beyond our control
- SikaTile®-350 Pro Maxset is not suitable for submersed applications.
- SikaTile®-350 Pro Maxset is not suitable for direct tile over tile applications. Use SikaTile 015 Prep n Prime prior to tiling.
- SikaTile®-350 Pro Maxset is not suitable for heavy duty applications such as vehicular traffic.
- During curing ensure protection from extreme heat, extreme sunlight, & water ingress.
- Contact Sika Australia for advice if further information is required.

IMPORTANT CONSIDERATIONS

It is essential to plan the area to be tiled, with the inclusionof movement joints, in accordance with the relevant Australian Standards. Failure to do so may result in drummy or lifting tiles. Make sure normal building or surface movement is accommodated by installing movement joints as follows:

- Over movement joints in the substrate
- At a junction between different substrate materials
- At fixtures interrupting the tile surface e.g. columns
- At internal vertical corners
- Around the perimeter of the tiling system
- At a maximum of 4.5m centres, in a grid pattern Movement joints should be kept free from dirt and adhesive
- All movement joints can be filled with a suitable Sika sealant and suitable backing rod or backing tape

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

EQUIPMENT

- Personal protective equipment
- Mixing drill with stirring attachment
- Clean mixing buckets
- Trowels

SUBSTRATE QUALITY

All surfaces must be installed according to manufacturer's instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, sealers, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to tiling. Deeply contaminated surfaces must be prepared/abraded to a clean, sound surface. Expose at least 80% of the original substrate of painted surfaces. Substrates shall meet relevant deflection standards outlined in the relevant Australian Standards (AS3958:2023).

CONCRETE SUBSTRATES:
New concrete shall be 7 days old and be left with a wood float finish. Steel trowel finished concrete is generally acceptable if the concrete allows water penetration. Concrete above 35MPa shall be mechanically prepared.

CEMENT BOARD AND SHEETING:
All boards and sheets must be fixed in accordance with the manufacturer's instructions and specifically designed for tiling.

SCREEDS & MORTAR BEDS:
Sand cement screeds must be installed as per relevant Australian Standards and left for a minimum 24 hours prior to tiling. Screeds may need longer drying time in cold climates.

TILE ON TILE APPLICATIONS:
Ensure all existing tiles are firmly fixed, loose or hollow tiles must be removed and the area repaired using a suitable Sika repair mortar. Existing tiles shall be adequately cleaned prior to the application of the primer. Existing tiles shall be primed with SikaTile 015 Prep n Prime and allowed to dry prior to tiling.

SUBSTRATE QUALITY / PRE-TREATMENT

Prime substrates with a suitable Sika primer prior to adhesive application.
Porous Substrates can be primed with:
- SikaTile 010 Secure Prime
- Davco Ultraprime
- Davco PrimeX

Non-porous substrates can be primed with:
- SikaTile 015 Prep n Prime

Note:
- Refer to the spefic primer product data sheet for the complete user instructions prior to use.
- Priming is not required directly over suitable Sika under tile waterproofing membranes.

MIXING

Measure the recommended amount of clean, cool potable water in a clean mixing pail, gradually add the SikaTile®-350 Pro Maxset powder while mixing with the drill until it reaches a smooth lump free trowel-able consistency. Allow the mix to stand / slake for 5 minutes then restir for an additional minute. Remix without adding additional water during the adhesives pot life.

APPLICATION

Tiles shall be fixed in accordance with the relevant Australian Standards.
- Ensure the back of tiles are clean and from dust and contaminates.
- Apply the adhesive with a notched trowel to the substrate to achieve minimum coverage requirement outlined in Australian Standards AS 3958:2023.
- Apply the adhesive in a single direction and avoid swirls in the adhesive.
- Apply tiles into the wet adhesive and break the adhesive notches to fully bed the tile in the adhesive layer. Ensure adequate coverage outlined in the Australian Standards is achieved to both substrate and the back of tiles.
- Clean any residual adhesive off the face of the tile and out of the grout joints while the adhesive is still wet.
- Expansion joints shall be installed as per relevant Australian Standards.

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water prior to the adhesive setting. Adhesive that has set will require mechanical removal.

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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