

PRODUCT DATA SHEET

SikaTile®-374 Mega Pro

A FINE WHITE POLYMER FORTIFIED FLEXIBLE SAND AND SILICA FREE CEMENT-BASED WALL TILE ADHESIVE

DESCRIPTION

SikaTile®-374 Mega Pro is a fine white, polymer fortified, flexible, sand and silica free cement-based tile adhesive, suitable for tile and stone internal wall tiling applications.

USES

SikaTile®-374 Mega Pro is suitable for fixing tile and stone by thin bed application for internal applications.

SUITABLE TILE TYPES ARE;

- Ceramic Tiles
- Porcelain Tiles
- Natural Stone (non moisture sensitive stone)
- Manufactured Stone (non moisture sensitive stone)
- Mosaics

SUITABLE SUBSTRATES INCLUDE;

- Concrete (concrete greater than 35Mpa compressive strength requires mechanical preparation)
 - Compressed Cement Boards*
 - Ceramic Tile underlay / Fibre Cement boards*
 - Cement-baseds renders
 - Sika approved under tile waterproof membranes
 - Cement renders
 - Gypsum Plasterboard
- *refer to board manufacturers instructions for further details and load limits.

FEATURES

- Sand & Silica free formulation
- White colour suitable for light and opaque stone (not sensitive to moisture)
- Fine, smooth trowelable consistency
- S1 Flexible performance
- Internal wall applications only
- Suitable over Sika under tile waterproofing membranes

PRODUCT INFORMATION

Packaging	20kg bags / 64 bags per pallet
Appearance and colour	Fine white powder
Shelf life	If unopened 12 months from date of manufacture
Storage conditions	Store in dry cool conditions, elevated out of direct sunlight
Product declaration	C1TES1 as per AS ISO 13007
Volatile organic compound (VOC) content	Low VOC - 13g/L

APPLICATION INFORMATION

Mixing ratio	6.5 - 7 Litres of clean, cool potable water per 20kg bag	
Consumption	Notched trowel size	Approximate coverage per bag
	6mm	9.5m ²
	10mm	6m ²
Consumption is dependant of surface profile, and application technique.		
Pot Life	2.5 hours	
Open Time	30 Minutes	
Applied product ready for use	USE	WAIT TIME
	Grouting on walls	12 hours
	Dry area service	24 hours
	Wet area service	5 days
All application information date is determined at laboratory conditions: 23°C & 50% RH. Higher temperatures will reduce times and lower temperatures will increase times.		
Adjustability time	20 minutes	

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

- Test in an inconspicuous area first.
- Not suitable for applications over tongue and grooved timber flooring, plywood, medium density fibre board, or masonite.
- Not suitable for moisture sensitive stone installations
- 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.
- Due to external influences beyond our control Efflorescence is beyond the control of the manufacturer.
- Not suitable for external applications
- Not suitable in submersed applications such as pools or spas.
- Contact Sika Australia for applications not mentioned in this document or if further information is required.

FURTHER DOCUMENTATION

Use product in accordance with Australian Standards AS 3958:2023 The Installation of Ceramic & Stone Tiles. It is essential to plan the area to be tiled, with inclusion of movement joints, in accordance with the relevant Australian Standard. 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.

APPLICATION INSTRUCTIONS

EQUIPMENT

- Personal protective equipment
- Mixing Buckets
- Mixing drill with stirring attachment
- Trowels

SUBSTRATE QUALITY

- All substrates shall meet minimum deflection standards outlined in the Australian Standards AS 3958:2023
- All substrates shall be free from loose friable materials, dust, debris, release agents, curing compounds, grease, sealers and other contaminating materials. Contaminated substrates must be mechanically prepared to expose at least 80% of the original substrate.
- For substrates that require a levelling compound use a suitable Sika® faring coat /skim coat.

CONCRETE SUBSTRATES:

New concrete shall be cured for 28 days 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 BOARDS AND SHEETING:

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

RENDERS:

Cement-based renders must be installed as per AS 3958:2023 and left for a minimum 24 hours prior to tiling. Renders may need longer drying time in cold climates.

SUBSTRATE PREPARATION

Substrates shall be primed 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 specific product data sheet for the complete user instructions prior to use.
- Do not apply primers over waterproofing membranes.

MIXING

Pour clean cool water into a mixing bucket and gradually pour the the SikaTile®-374 Mega Pro powder into the bucket and stir with a mixing drill).

Mix for 2-3 minutes to a smooth lump free homogeneous consistency.

Allow the product to stand (slake) for 5 minutes then restir for an additional minute.

Do not add more water.

Restirring the mixture may be required during the adhesives pot life.

APPLICATION

- Tiles shall be fixed in accordance to with AS 3958:2023
- Ensure the backs of tiles are clean and free from dust and contaminates.
- Apply the adhesive to the substrate with the appropriate sized notched trowel to achieve coverage requirement on both substrate and the back of the tile.
- Tiles may require back-buttering to achieve minimum coverage requirements.
- Apply the adhesive with a notched trowel in a single direction.

- Apply the tile, while pressing into the wet adhesive, break the ridges with the tile to fully bed the tile into the adhesive.
- It is advisable to periodically check the backs of the tiles for adhesive coverage requirements as the AS3958:2023.
- Only apply as much adhesive that can be covered prior to adhesive skinning. If skinning occurs remove and replace with fresh adhesive.
- Remove any excess adhesive from the face of the tile with a damp sponge and ensure grout joint are of uniform depth.
- Movement, expansion and control joints must be installed as per AS 3958:2023.
- Allow adhesive to dry prior to grouting.

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water while the adhesive is still wet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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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