

## PRODUCT DATA SHEET

# SikaTile®-366 Pro Flex

A PREMIUM RUBBER MODIFIED FLEXIBLE CEMENT-BASED TILE ADHESIVE WITH EXTENDED COVERAGE

### DESCRIPTION

SikaTile®-366 Pro Flex is a premium rubber modified cement-based tile adhesive with extended coverage and flexible performance.

### USES

SikaTile®-366 Pro Flex is suitable for used both internally and externally on wall and floor applications.

SikaTile®-366 Pro Flex is suitable for thin bed and medium bed applications up to 10mm thick.

#### Suitable tile types include:

- Ceramic tiles
- Porcelain tiles
- Mosaic tiles
- Natural stone not sensitive to moisture
- Engineered stone/Man made stone not sensitive to moisture

#### Suitable substrates include:

- Concrete
- Compressed Cement Boards\*
- Ceramic Tile Underlay / Fibre Cement Boards\*
- Existing Tiles (used in conjunction with SikaTile 015 PREP N PRIME)
- Cement based screeds and renders
- Sika approved under tile waterproofing membranes
- Gypsum Plaster Board (internal only)
- Sika Approved Acoustic underlayment's
- Under tile heating systems

\*refer to board manufactures instructions for further details and load limits.

### FEATURES

- Excellent bond strength
- Extended coverage
- Flexible S1 performance
- Suitable over early aged screeds
- Internal and external applications
- Wall & floor applications
- Excellent non-slump performance

### PRODUCT INFORMATION

<b>Packaging</b>	20kg Bags / 64 bags per pallet
<b>Appearance and colour</b>	Off white with black rubber particles
<b>Shelf life</b>	If unopened 12 months from date of manufacture
<b>Storage conditions</b>	Store in dry cool conditions, elevated out of direct sunlight.
<b>Product declaration</b>	C2TES1

## APPLICATION INFORMATION

Mixing ratio	7 - 8 Litres of clean potable water per 20kg bag	
Consumption	<b>Notched trowel size</b>	<b>Approximate coverage per bag</b>
	6mm	11m <sup>2</sup>
	10mm	8m <sup>2</sup>
Coverage is dependant on surface profile, and applicatiion, use table as a guide only.		
Pot Life	2.5 hours	
Open Time	30 minutes	
Applied product ready for use	<b>Application</b>	<b>Wait time</b>
	Wait time prior to grouting & light foot traffic	24 hours
	Full service	3 days
<b>All application information is measured in laboratory conditions at 23°C and 50% relative humidity.</b> Higher temperatures will reduce curing time, while lower temperatures will increase it.		
Adjustability time	25 minutes dependant on substrate porosity.	

## 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 product in an inconspicuous area first
- SikaTile®-366 Pro Flex is not suitable over timber and particalboard substrates. Over-sheet with ceramic tile underlay or a reinforce screed.
- Not suitable for moisture sensitive stone.
- Mechanical fixing is recommended when fixing externally above 3 meters.
- 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.
- Ensure correct falls to wastes are present in wet areas and external applications.
- SikaTile®-366 Pro Flex is not suitable for submersed applications or in and around pool applications.

## FURTHER DOCUMENTATION

Use product in accordance with Australian Standards AS3958.

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 sealnt 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 drill with stirrer attachment
- Trowels
- Mixing buckets

### SUBSTRATE QUALITY

- Substrate Deflection: All substrates under loads must not exceed L/360 to tiles and L/720 for stone applications.
- Substrates must be properly cured, structurally sound, free from loose or friable articles, clean, dry and free from contaminates such as dust, dirt, oil, grease, curing compounds, laitance or efflorescence.
- Dependant on the substrate condition and contamination to be removed from the surface, perform adequate preparation techniques, such as water blasting, scarification, or blast cleaning in order to remove

all traces of any materials that could reduce the products adhesion to the substrate.

- For tiling wet areas, and external applications ensure falls are correct to avoid water ponding.

**CONCRETE FLOORS:** Early aged concrete must be a minimum 7 days old. Concrete shall be left with an open pores surface. Steel trowel finishes are generally acceptable if they accept water penetration. Wood Float and broom finishes are preferred where possible.

**CEMENT MORTAR BEDS / SCREEDS:** Mortar beds / screeds must be installed as per AS 3958. Screeds must be a minimum 24 hour old at 22°C & 50% R.H per 25mm of thickness.

**SHEETED / BOARD SUBSTRATES:** All boards / underlays must be fixed in accordance to manufacturer's instructions and specifically designed for tiling.

## SUBSTRATE PREPARATION

Prime substrates with a suitable Sika primer.

Porous substrates: SikaTile 010 Secure Prime

Non Porous Primer: SikaTile 015 Prep n Prime

Refer to the specific instruction on the primer product data sheet.

Do not apply primers directly over under tile waterproofing membranes

## MIXING

Pour clean cool water into a mixing container and gradually pour the SikaTile®-366 Pro Flex 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

- 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 adhesive 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 per AS 3958
- Only apply as much adhesive that can be covered prior to adhesive skinning. If skinning occurs remove and replace.

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- 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
- For tile over tile applications, existing tiling must be adequately cleaned prior to application. Ensure existing tiling is sound and free from defect. Prime existing tiles with SikaTile 015 Prep n Prime and allow to dry prior to application.

## 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.

Product Data Sheet

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