

# SikaTile - Adhesive GP

High performance, polymer modified, flexible, cementitious tile adhesive

Construction

<b>Description</b>	SikaTile - Adhesive GP is a high performance flexible cementitious adhesive, ready to use with the addition of water, for bonding all types of ceramic, stone and mosaic tiles, with the exception of Green Marble.
<b>Uses</b>	SikaTile - Adhesive GP can be used on substrates including: <ul style="list-style-type: none"> <li>• Concrete and mortar</li> <li>• Render</li> <li>• Render brickwork</li> <li>• Block work</li> <li>• Gyprock</li> <li>• Plasterboard</li> <li>• Fibre cement sheets</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Can be used on external and internal floor and wall surfaces</li> <li>• Non-slump</li> <li>• Can be used for fixing large format tiles</li> <li>• Can be used inside swimming pools, spas, etc.</li> <li>• SikaTile - Adhesive GP can be used as an adhesive and grout in one for small splash back applications ONLY</li> <li>• Easy to use with excellent workability and thixotropic consistency</li> </ul>
<b>Storage and Shelf Life</b>	Approximately twelve (12) months from date of manufacture when stored in its unopened original containers in a cool, dry place.
<b>Instructions for Use</b>	<p><b>Surface Preparation</b></p> <p>Ensure all concrete slabs are allowed to cure for at least 6 weeks in accordance with AS 3958.1-1991 and have a wood float finish. All rendered surfaces must be allowed to cure for at least 7 days prior to commencing tiling.</p> <p>The maximum variation in the plane of the concrete must not exceed 5 mm in 3 meters for floors and 4 mm in 2 meters for walls.</p> <p>Steel trowel finished concrete surfaces <b>Must</b> be mechanically or chemically abraded prior to commencement of tiling</p> <p>Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents and any other loose or contaminating materials.</p> <p><b>Fibre Cement sheet</b> when used as an underlay or wall / floor material must be a minimum of 6 mm in thickness. For heavy duty commercial applications it should be a minimum of 9 mm thick and all should be fixed in accordance with the manufacturer's instructions and the relevant standards.</p> <p><b>Compressed Fibre-Cement</b> sheets when used as a floor substrate must be 15 mm thick, and when used a wall substrate must be 9 mm thick and should be installed in accordance with the manufacturer's instructions and the relevant standards.</p> <p><b>Gypsum-plasterboard</b> sheets when used as a wall substrate must be a minimum of 10 mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.</p>

**Priming**

- All surfaces must be primed with SikaTite - Primer, especially porous surfaces prior to the application of SikaTile - Adhesive GP.
- Except for metal surfaces which should be primed with a Zinc Chromate / etching primer.
- When applying the SikaTite - Primer it is recommended to firstly pour some primer in a section then spread the primer using a broom, brush or roller. Then continue this method of application until the entire area is primed.  
**Note:** This method of application ensures a thorough coat of the primer on the surface.
- Allow the primer to dry for approximately 20 minutes at 20°C prior to commencing waterproofing.

**Expansion/Movement Joints**

Expansion / movement joints must be provided to allow for movement between adjacent building components. They should be as follows:

- Over Existing joints in the substrate.
- Where two different substrates meet. eg: Timber and Concrete.
- Around fixed elements in the floor eg. Columns.
- At internal vertical corners.
- Around the perimeter of the floor.
- In internal floors, where any dimension exceeds 9 m or 6 m if subjected to sunlight.
- In external floors where any dimension exceeds 4.5 m.
- On wall surfaces at storey heights horizontally and approximately 3 m-4.5 m apart vertically. Ideally they should be located over movement joints in the structural background and at structural material changes for example the horizontal joint at the bottom of floor slabs, vertical joints at internal vertical corners, and at junctions with columns. (The above points are in accordance with AS3958.1-1991)
- Movement joints should go right through the tile adhesive bed to the background and kept free from dirt and adhesive droppings. Movement joints must not be less than 6 mm and not wider than 10 mm. The movement joints must be filled with a Sikaflex 11FC or Sikaflex PRO.

**Mixing**

The mixing ratio of SikaTile - Adhesive GP is 15kg of powder to 5-6 litres of water.

Pour 5-6 litres of clean water into a drum and then gradually add SikaTile - Adhesive GP. Mixing continuously until a smooth lump free mix is obtained. Always add powder to liquid. Mix should be a thick toothpaste consistency. Allow the mix to stand for 5 minutes, re-stir and then apply the adhesive onto the substrate.

<b>Application</b>	<p>Once the surfaces have been appropriately prepared in accordance with the above instructions. Apply the adhesive onto the substrate using an appropriate notched trowel.</p> <p>Floor tiling use a 10 mm x 10 mm square notched trowel for tiles up to 300 mm x 300 mm. For tiles larger than 300 mm x 300 mm use a 12 mm x 12 mm square notched trowel. For mosaic tiles use a 6 mm x 6 mm square notched trowel.</p> <p>Wall tiling use 6 mm x 6 mm square notched trowel for tiles up to 200 mm x 200 mm. For tiles larger than 200mm x 200mm use an 8 mm x 8 mm or 10 mm x 10 mm square notched trowel.</p> <p>SikaTile-Adhesive GP should be applied onto the substrate at a rate of 1m<sup>2</sup> at a time. Application rates greater than this can result in the adhesive skinning before the tiles are laid.</p> <p>Once the adhesive is applied onto the substrate ensure that it does not skin prior to bedding the tiles. If the adhesive skins <b>do not</b> lay tiles, but remove it and apply fresh adhesive.</p> <p>When placing the tiles into the adhesive press them in by using a twisting or sliding action. Ensure no voids occur and full coverage of adhesive is under the tiles.</p> <p>For tiles with lugs, grooves or uneven backing it may be required to butter the back of the tile with adhesive in addition to trowelling the adhesive onto the substrate.</p> <p>The final bed thickness of the adhesive should be at least 2 mm for wall tiling and 3 mm for floor tiling.</p> <p>Once the tiling is completed do not disturb the tiled surface for at least 6-8 hours at 20°C.</p>
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<b>Cleaning</b>	<p>Excess adhesive from the face of the tiles can be cleaned up with damp cloth while the adhesive is still wet.</p> <p>Adhesive that has oozed out into the grout joint must be raked out with a knife / spatula etc.</p> <p>Tools and other equipment can be cleaned up using water while the adhesive is still wet.</p>
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<b>Coverage</b>	A 15 kg bag of SikaTile-Adhesive GP will cover approximately 15m <sup>2</sup> using a 6 mm notched trowel
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#### Technical and Physical Data

<b>Form</b>	Cementitious grout
<b>Density</b>	1.1 kg/litre
<b>Open Time</b>	30 minutes @ 20°C.
<b>Pot Life</b>	40 minutes @ 20°C
<b>Curing Time @ 20°C</b>	Approximately 12 hours
<b>Packaging</b>	15 kg units



**Important Notes**

- Do not apply SikaTile - Adhesive GP in temperatures above 40°C and below 5°C.
- SikaTile - Adhesive GP cannot be used for fixing tiles over timber floors.
- SikaTile - Adhesive GP can be used for fixing tiles in permanently immersed situations like swimming pools, spas etc and permanently damp concrete slabs like those present around the pool surrounds etc.
- For applications / situations not mentioned in this data sheet please contact your nearest Sika office.
- SikaTile - Adhesive GP being cement based is alkaline in nature, and therefore may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safety goggles.
- For a full Material Safety Data Sheet on this product please contact you're nearest Sika office

**Handling Precautions**

- Sika products are generally quite harmless, provided normal precautions are taken when handling chemicals. Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.
- Avoid all sources of ignition.
- No smoking.
- For further information refer to the Sika Material Safety Data Sheet which is available on request.
- If in doubt always follow the directions given on the pack or label.

**Important Notification**

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

**PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.**

