

# PRODUCT DATA SHEET

## Sika® TileBond GP

### PREPACKED CEMENTITIOUS TILE ADHESIVE

#### DESCRIPTION

Sika® TileBond GP is a prepacked cementitious tile adhesive.

#### USES

Sika® TileBond GP is ideal for installing ceramic tiles, homogeneous tiles.  
Sika® TileBond GP can be used as thin bed or thick bed adhesive for floor and wall tiling works and is suitable for internal.

#### CHARACTERISTICS / ADVANTAGES

- Damp and fungi resistance is good
- Factory mixed - consistent quality
- Better workability. Saves time installation and material cost
- Tiles can be adjusted up to 20 minutes after application
- Flexible use for many items, many different requirements
- Soaking of tiles in water before installation is not required

#### PRODUCT INFORMATION

<b>Packaging</b>	5 kg / 25 kg bag
<b>Appearance / Colour</b>	<b>Element:</b> Cement, graded sand, several admixtures <b>Form/Colour:</b> Powder / Grey, white
<b>Shelf life</b>	9 months if stored properly in unopened, original packaging
<b>Storage conditions</b>	Dry, cool, shaded place
<b>Density</b>	1.50 kg/l (bulk density of powder) 1.85 kg/l (density of fresh mortar)

#### TECHNICAL INFORMATION

<b>Tensile Adhesion Strength</b>	~1.0 N/mm <sup>2</sup> (on prepared, dampened concrete surface)
<b>Compressive Strength</b>	~15 N/mm <sup>2</sup> (28 days)
<b>Thermal Resistance</b>	Temperature resistance: Up to 90 °C Damp resistance: Excellent Fungi resistance: Excellent

#### APPLICATION INFORMATION

<b>Mixing ratio</b>	Water : Sika® TileBond GP powder = Approx. 1 : 4–4.5 (parts by weight) Approx. 5 to 6 L of clean water per 25 kg bag <b>Consistency of mix:</b> Thick, thixotropic mortar
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<b>Consumption</b>	1 bag yields approx. 16.2 L of mortar Approx. 62 bags required for 1(one) m <sup>3</sup> of mortar ~7-8 m <sup>2</sup> per 25 kg bag (based on 2 mm mortar thickness) The consumption is dependent on the surface profile and roughness of the substrate as well as on the size of the tiles and the placing technique (simple placing or backbuttering)
<b>Substrate Temperature</b>	Min. 8 °C Max. 40 °C
<b>Pot Life</b>	60 min (at 27 °C / 65% r.H)
<b>Adjustability Time</b>	Approx. 20 min <b>Waiting time before grouting:</b> <ul style="list-style-type: none"> <li>▪ For wall – after 7 to 8 hours (depending on temperature)</li> <li>▪ For floor – after 24 hours</li> <li>▪ Open to full traffic - after 14 days</li> </ul>

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, formwork traces and loosely adhering particles by sand blasting or high pressure water jetting. Absorbent substrates must be pre-wetted to saturated surface dry condition.

### MIXING

Add approximately Sika® TileBond GP powder to 5-6 L of clean water and mix thoroughly using a hand-held or mechanical mixer for 3–5 minutes until a homogenous lump-free paste is achieved. Allow the mix to stand for 1–2 minute and thoroughly re-mix for another 1 minute before using.

### APPLICATION

Use a notched trowel for application onto the substrate and buttering onto the backface of the tile to enhance the performance and proper coverage of the adhesive. Tiles with deep groove should be properly buttered and ensure the adhesive grout have proper coverage in the inner groove of the tiles. The tiles should be firmly pressed onto the substrate and immediately tamped into position. Any adjustment of tile should be done within 20 minutes after application. Ensure the tiles and the tiles adhesive are properly in contact with the substrate. The wet mix should be used within the 60 minutes, depending on the ambient temperature.

### CLEANING OF TOOLS

Remove non-hardened Sika® TileBond GP products from tools and equipment with water. Hardened material can only be removed mechanically.

## 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.

## 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.

## ECOLOGY, HEALTH AND SAFETY

**Ecology:** Do not dispose into water  
**Transportation class:** Non-hazardous  
**Waste disposal:** According to local law  
**Important notes:** Sika® TileBond GP is cement base and is therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention.

## 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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