

PRODUCT DATA SHEET

Sika® TileFix-250 Extra

EXTRA POWER TILE ADHESIVE

DESCRIPTION

Sika® TileFix-250 Extra is two component, pre-packed polymer modified tile adhesive mortar combining cement with selected grades of sand and several admixtures, to prevent tiles from popping up or loose. High strength adhesive, able to restrain unsteadiness and water submersion.

USES

For bonding of homogeneous tile, ceramic tile, marble, granite, mosaic, and natural stone, over a range of applications as below:

- Floor and wall
- Interior and exterior

- Dry and wet area (submerged and not submerged)
 - Heavy traffic area
- Able to be applied as repair concrete surfaces (cosmetic repair).

CHARACTERISTICS / ADVANTAGES

- High strength adhesion (example: apply marble tile on wall).
- For heavy traffic area (example: car park, show room, and supermarket).
- Application on water submersion area
- High abrasion resistance.
- Tile on tile application.
- Non corrosive to steel, non-flammable.
- Easy to use and apply, only requires mixing of both material.

PRODUCT INFORMATION

Packaging	30 kg set Comp A (Liquid) = 5 kg	Comp B (Powder) = 25 kg
Appearance / Colour	Comp. A : Liquid Comp. B : Powder	Comp. A : White Comp. B : Grey Comp. A + B : Concrete Grey
Shelf Life	9 months from date of production if stored properly in original, unopened and undamaged sealed packaging	
Storage Conditions	Store in dry conditions at temperatures between +5 °C and +30 °C.	
Density	~1.7 kg/L	

TECHNICAL INFORMATION

Tensile Adhesion Strength	28 days	≥ 15 kg/mm ² (concrete failure)
Tensile Strength in Flexure	28 days	~4.5 N/mm ² (ASTM C-348)

Compressive Strength	3 days	~25.0 N/mm ²	(ASTM C-109)
	7 days	~30.0 N/mm ²	
	28 days	~42.0 N/mm ²	

APPLICATION INFORMATION

Mixing Ratio	Comp. A (liquid) : comp. B (powder) 5 kg : 25 kg (by weight) Comp. A (liquid) : comp. B (powder) 1 : 3.5 (by volume)	
Consumption	~4.2 kg set/m ² (based on 3 mm thickness)* ~7.0 m ² per 30 kg set (based on 3 mm thickness)* *depend on substrate surface	
Layer Thickness	3 mm	
Ambient Air Temperature	8 °C to 40 °C	
Pot Life	at 30 °C	~20 min
Open Time	at 25 °C 75% r.H.	~10 min (depend on type of substrate)
Adjustability Time	~15 min (depend on type of substrate)	
Applied Product Ready for Use	Waiting Time Before Grouting For Wall – after 8 h For Floor – after 24 h	

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete / screed / plaster surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, dust, and loosely adhering particles.

Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions.

APPLICATION

- Pour approximately 4/5 of Component A into mixing vessel then add Component B slowly and mix properly.
- Add remaining component A while continuing to mix. Mix to a uniform consistency.
- Mixing time is ~3 minutes. A slow speed mixer is recommended (300 –600 rpm).

As Tile Adhesive:

- Apply with notched trowel then fix the tile. Proceed to apply while the adhesive is still wet. Size of notched depending on size of tile.
- Waiting time before grouting application minimum 24 hours. To get the best result use Sika® Tile Grout.

As Cosmetic Repair:

- Apply with flat trowel to get flat and smooth surface.

LIMITATIONS

- Maximum thickness per application: 5 mm (wet condition).
- No need to immerse the tile prior to apply.
- Variation in cement could cause shade differences in colour of the mortar.

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 and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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.

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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