

PRODUCT DATA SHEET

Sika® Tilofix F

READY TO USE TILE ADHESIVE FOR FIXING FLOOR TILES

DESCRIPTION

Ready to use grey cement based non-shrink, self-curing tile adhesive for floor tiles fixing.

USES

Fixing Ceramic tiles on floor surfaces

CHARACTERISTICS / ADVANTAGES

- Ready to use, only water to be added.
- Contains special chemicals to obtained non-shrink and excellent adhesion properties
- Better bond than conventional cement based mortar
- Normal setting and quick strength development
- Self curing
- Good mechanical strength
- Suitable for fixing Ceramic tiles on floor

PRODUCT INFORMATION

Chemical Base	Cementitious mortar modified with polymers
Packaging	30kg bag
Appearance / Colour	Grey powder
Shelf Life	6 months from date of manufacturing if stored properly in original, unopened and undamaged sealed pack. Shelf life will be valid till the bag is in unopened condition.
Storage Conditions	To be stored properly in original unopened, sealed and undamaged packaging in dry and cool conditions.
Density	~ 1.35 kg/l (at +27 ⁰ C)
Shear Adhesion	Type 1 Adhesive (as per IS 15477 Standard)
Mixing Ratio	Water : Powder = 0.20 to 0.22 by weight (6.0 L to 6.6 L water per 30kg bag)
Consumption	~4-5 kg powder required / Sqm for 5mm average thickness. Approx. 60-75 sft is covered by a bag of 30kg depending on the substrate level
Layer Thickness	5 mm minimum
Ambient Air Temperature	+5 ⁰ C min. / +45 ⁰ C max.
Adjustability Time	~10 minutes at +27 ⁰ C

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be structurally sound, laitance

free, clean and free from dirt, oil, grease, other contaminants and loose or friable particles.

Pre wetting of substrate is essential with maximum saturation of water but saturated surface dry (S.S.D) condition.

MIXING

Sika® Tilofix F must be mechanically mixed using a forced action mixer or in a clean container using a drill and mixing paddle (< 500 rpm). A normal concrete mixer is not suitable.

Mix thoroughly with clean water for a minimum of 3 minutes.

Leave material to stand in container until the majority of bubbles have dispersed (minimum 5 minutes). Then remix the material for 15 seconds - the product is now ready for use.

APPLICATION

If the substrate is very porous, if the temperature is high and/or the relative humidity low, it is advisable to dampen the surface. Do not leave any standing water. If necessary the substrate must be levelled prior to application. If the level is still not good enough, suitable levelling mortar must be used.

Mix thoroughly with clean water as per above mixing guidelines.

Sika® Tilofix F is applied using a notched trowel onto the substrate. Choose the trowel that will give the right coverage to the back of the tile.

As a guide : For Ceramic tiles, use a notched trowel to obtain a minimum 3mm average thickness. Place tiles within 10 minutes of mixing and press firmly with twisting movement. Uneven surface may require more than 5mm thickness. Use damp cloth to remove excess paste from tile surface. Tile joints may be filled by Cement base Tilogrout / Epoxy Tilogrout. Do not disturb tiles setting for first 24 hours.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

FURTHER DOCUMENTS

Cementitious substrates must be at least 28 days old. Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Protect freshly applied material from freezing and rain etc. Place tiles within 10 minutes of mixing and place firmly with twisting movement. Uneven surface may require more than 5 mm thickness. Use damp cloth to remove excess paste from the tile surface.

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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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Product Data Sheet
Sika® Tilofix F
August 2019, Version 01.01
020404020010000006

SikaTilofixF-en-IN-(08-2019)-1-1.pdf

