

### Characteristics

TERAFIX COMFORT is a cement adhesive for preparing an adhesive sealant with reduced slippage and a prolonged bonding time. It comes in the form of gray granules. It contains hydraulic and polymer binders, fine-grain fillers, modifying additives and additives which reduce dust during mixing, bonding and the release of volatile substances during bonding and curing.

### Use

It is used for fixing tiles and pavers based on absorbent ceramic and natural and cement stone in interiors and exteriors. For pavers from sintered ceramic in a format above 0.1 square meters in exteriors and spaces loaded with trolley transport and handling equipment, it is recommended to use the TERAFIX COMFORT PLUS and TERAFIX COMFORT FLEX types. The hardened material ensures the frost resistant bonding of the bonded materials. The precise definition is specified in the table for the use of cement adhesives from the TERAFIX line.

### Substrates and their preparation

TERAFIX COMFORT is designed for bonding the mentioned tiles and pavers on conventional substrates such as concrete, plasters, base screeds, gas silicate and plasterboard in exteriors and interiors. It is not intended for bonding on inconsistent substrates with an unstable volume, wood or construction boards containing wood and metals. The substrates must be mature, consistent and free of dust, dirt, grease, efflorescence and salts. Any impurities that might reduce adhesion and retention must be removed. It is recommended that absorbent substrates be saturated with a solution of the Universal penetration agent UPI6. Particularly absorbent substrates are saturated twice, or it is necessary to use the Deep penetration agent HP16 for saturation. Bonding is performed on the completely dry surface of the penetrated substrate.

### Preparation of the of sealant, bonding and processing

The adhesive sealant is prepared by gradually mixing the contents of the package - 25 kg of dry adhesive in 6.5 litres of cold drinking water using a stirrer. It is stirred on a medium speed for 2 to 10 minutes, and after 10 minutes of maturing and short intense mixing with possible consistency adjustment with max 0.25 l of water, the adhesive sealant is ready for use. Mixing in additional water and other additives is prohibited. The adhesive sealant is applied with a notched trowel with a tooth height of 6-10 mm onto the prepared surface so that the dry tiles could be fixed to it at an interval of 30 minutes. When bonding on uneven substrates, or if the bonded tiles and pavers are to be exposed to frost and water, it is recommended to also apply a thin layer of the sealant onto the tile or paver. The sealant is processed at a temperature of +5 to +30 ° C. The temperature of the substrate, attached material, dry adhesive and water before mixing must also be within this range. It is not recommended to carry out the work in rain, at higher temperatures or in areas with direct sunlight. The sealant must be protected from frost and rain for the first 72 hours of curing. Prevent the contamination of tiles, pavers of used rails, fittings and the like in an appropriate manner. Grout the tiles no earlier than the following day and the pavers no earlier than 48 hours. Full loading is possible after at least 7 days. The specified time data is based on the average temperature of 20-22 ° C and relative humidity of 60%.

### Technické parametry

The technical parameters correspond to the requirements of EN 12004: 2007 for class C1TE.

Initial tensile adhesion strength	according to DIN EN 1348 8.2)	[MPa]	≥ 0,5
Tensile adhesion strength after immersion in water	according to DIN EN 1348 8.3)	[MPa]	≥ 0,5
Tensile adhesion strength after freeze-thaw cycles	according to DIN EN 1348 8.5)	[MPa]	≥ 0,5
Tensile adhesion strength after heat ageing	according to DIN EN 1348 8.4)	[MPa]	≥ 0,5
Open time - tensile adhesion strength after 30 minutes	according to DIN EN 1346	[MPa]	≥ 0,5
Slippage	(EN 1308: 1996)	mm	< 0,5
Release of dangerous substances	see Safety Data Sheet		
Reaction to fire	(EN 13501-1)	class	A1

### Spread

2,5 to 5,0 kg / m<sup>2</sup> (according to bonding method, the type of pavers and flatness of the surface)

### Safety, hygiene regulations and first aid

See MSDS

### Packaging, handling and storage

The product is packed in laminated paper bags of 25 kg. Handling and storage on pallets in the original packaging protected against humidity and direct sunlight at a temperature of at least +5 ° C. Under these conditions, the shelf life is 12 months from the date of manufacture marked on the package.

### Disposal

Disposal of unusable residues is done by sprinkling water and depositing the hardened inert substance as other waste. The used packaging is liquidated as other waste according to applicable legislation.

### Testing, certification

The product is certified for the specified use and tested by an accredited testing laboratory. During production, it is checked by the company laboratory subject to the certified quality management system DIN EN ISO 9001.

### Notice

*The given data is compiled according to the current state of the art. It represents general guidelines based on application experience and the test results of the materials. However, it may not take into account the local conditions during their application, and therefore legal liability cannot be drawn from it. In case of doubt or need of a solution to specific technical problems, we recommend that you contact the technical service department.*

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