

Characteristics

TERAFIX COMFORT PLUS is improved cement adhesive for preparing an adhesive sealant with high adhesion, a prolonged bonding time and reduced slippage. It comes in the form of grey 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 bonding ceramic tiles and pavers based on natural and artificial stone, flat tiles and paving strips, facing-bricks and porous, dense (Gres) and sintered ceramic tiles in interiors and exteriors. The hardened material ensures the frost resistant and waterproof bonding of the bonded materials. The types TERAFIX STANDARD FLEX and TERAFIX COMFORT FLEX are intended for fixing tile formats over 0.1 square meters from sintered ceramic in dark shades, as defined by the table for the use of TERAFIX adhesives for individual cases.

Substrates and their preparation

TERAFIX COMFORT PLUS is designed for bonding the specified tiles and pavers on conventional substrates such as concrete, plasters, base screeds, gas silicate, plasterboards and cement boards in exteriors and interiors. It is also designed for use on balconies and loggias, for underfloor heating with gradual change of temperature and for floors in wet areas. The types TERAFIX STANDARD FLEX and TERAFIX COMFORT FLEX are intended for use in direct application on the electrical heating cable, for bonding on surfaces with an unstable volume, treated wood, fiberboards and woodchip boards 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 UP16. 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 6.25 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 0.5 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, bonding formats over 0.1 square meters 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 C2TE.

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| Initial tensile adhesion strength | according to DIN EN 1348 8.2) | [MPa] | ≥ 1,0 |
| Tensile adhesion strength after immersion in water | according to DIN EN 1348 8.3) | [MPa] | ≥ 1,0 |
| Tensile adhesion strength after freeze-thaw cycles | according to DIN EN 1348 8.5) | [MPa] | ≥ 1,0 |
| Tensile adhesion strength after heat ageing | according to DIN EN 1348 8.4) | [MPa] | ≥ 1,0 |
| 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 / m² (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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