

FORTE

**elastic and frostproof glue mortar
for gluing glazed tiling, terra cotta,
stoneware and natural stone
outdoors and indoor
C2TE**

PROPERTIES

- for outdoor and indoor use
- does not cause tiles to slide off vertical surfaces
- high adhesion to all materials commonly used in construction
- waterproof
- frost resistant
- easy to work

APPLICATION

The product is an elastic glue mortar for gluing ceramic tiles such as glazed tiling, terra cotta, stoneware tiles, clinker tiles, natural stone tiles (excluding marble and travertine tiles) and artificial stone tiles (agglomerate) on deformable bases indoors and outdoors. It is resistant to water, frost and weather conditions. It can be used to lay in floor warming system. Due to its technical and working parameters it is efficient, easy and comfortable in use.

CLASSIFICATION ACCORDING TO THE PN-EN 12004 STANDARD

FORTE is a cement tile adhesive with increased adhesion (C2), limited runoff (T) and extended open time (E), class C2TE.

TECHNICAL DATA

Group of products	Dry construction mixtures.
Contains	Cement, lime, mineral fillers, refining additives
Colors	Grey
Consumption	cca. 3 - 7 kg/m ² *

Parameters	Parameter	Norm	Value	Unit
	Layer thickness	EN 12004:2007 +A1: 2012, IDT	2 - 8	mm
	Initial tensile adhesion strenght		≥ 1,0	N/mm ²
	Tensile adhesion strenght after water immersion		≥ 1,0	N/mm ²
	Tensile adhesion strenght after heat ageing		≥ 1,0	N/mm ²
	Tensile adhesion strenght after freeze-thaw cycles		≥ 1,0	N/mm ²
	Open time: tensile adhesion strenght (after no longer than 30 minutes)		≥ 0,5	N/mm ²
	Slip		≤ 0,5	mm
	Reaction to fire		Class A1	---

The parameters given are mean of the results obtained during the tests. Due to the use of raw materials, actual values may slightly differ from those in the table.

* Consumption depends on the substrate and application technique. The given value is approximate.

USE INSTRUCTION**Substrates**

The substrate should be load-bearing and free from dust, dirt, lime, oil, grease, remnants of oil paints, emulsion paints, etc. Poorly bonded plasters should be chipped off, old paint coatings with low adhesion to the substrate should be completely removed, e.g. using water under pressure. Clean places containing moss and algae with steel brushes and then disinfect with Alghesil algae and fungi remover. Defects and irregularities in the substrate up to 8 mm should be leveled with FORTE mortar, and deeper ones should be leveled with SEMPER BUDOMONT ZT 620 or BUDOMONT ZS 640 mortar. Substrates with high water absorption, e.g. walls made of aerated concrete or silicate blocks, should be primed with the deeply penetrating SEMPRE GRUNT GP preparation. The substrate humidity should not exceed 2%. If it is necessary to glue tiles on weak, difficult-to-clean substrates, it is recommended to perform an adhesion test by gluing the tile and checking the connection after 48 hours.

Preparation of tiles

The tiles should be cleaned of dust, dirt and grease. Protect against overheating and soaking during storage. Bring the tiles to room temperature before applying them.

Production preparation

Gradually pour the contents of the FORTE package into approximately 5.5-6 liters of water and mix with a mechanical mixer until a homogeneous mass without lumps is obtained. The mortar's proper working consistency is achieved after mixing it again after a 5-10-minute break. The shelf life of the mixed mortar is approximately 2 hours. Do not treat the hardened mortar with water or mix it with fresh mortar - this will result in loss of functional properties.

Application

Apply the mixed FORTE mortar to the substrate to obtain a thin bonding layer. Immediately afterwards, apply and spread the mortar using a notched trowel. The size of the teeth should be matched to the size of the tiles. The amount of mortar applied to the substrate should be selected so that after pressing the tile, the contact surface with the adhesive is even and as large as possible. When laying tiles on a vertical surface, the mortar should cover at least 65-70% of the tile surface. When attaching large format tiles outdoors or on floors that will be subject to high loads, apply a layer of adhesive also to the underside of the tile (combined method).

Drying

Grouting on floors after 24 hours, on walls after 12 hours. Floors exposed to light foot traffic after approx. 24 hours. Full load after approx. 14 days.

Cleaning tools

Water – directly after use.

PACKAGING

25 kg

STORAGE

Store the product in its factory-sealed packaging, in a dry and cool room. The shelf life is 12 months from the production date (see the side of the packaging).

SAFETY AND HYGENE OF WORK/ FIRE PROTECTION

Non-flammable product. Causes serious eye damage. May cause respiratory irritation. It is irritating to the skin. May cause an allergic skin reaction. Keep away from children. Avoid inhalation of dust. Wear protective gloves/protective clothing/eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and can be easily removed. If skin irritation or rash occurs: Get medical advice/attention.

The manufacturer guarantees the product quality, but shall not be liable in terms of its use. The information herein provided is based on the manufacturer's knowledge resulting from many years of observations. This information cannot however replace professional know-how of the contractor and does not exempt the contractor from complying with the rules of the building art and the safety and hygiene at work, thus do not constitute any legal grounds for the settlement of disputes in court. For further questions or doubts, please contact the manufacturer.