

CEMEX TILE PORCELANIC

TILE ADHESIVE TYPE C2TE ACCORDING TO BS-EN 12004

Improved cementitious adhesive with normal setting, reduced slip and extended open time, for internal and external thin layer applications

Applications

- Especially indicated for porcelain stoneware application
- For internal and external applications
- Floors and walls
- Use CEMEX TILE FLEX on external facades and/or large format tiles

Substrates

- Hardened mortar render or screed
- Compact concrete surfaces with no release agent residues
- Gypsum plaster substrates with prior consolidating priming (CEMEX IMPRIMACIÓN)
- Gypsum plasterboard and cementitious renderboard

Coatings

- All types of ceramic tiles (I, IIA, IIB and III): ceramic tiles, fired clay, Catalonian tiles, ceramic stoneware, rustic stoneware and porcelain stoneware
- Glass mosaic, terrazzo and natural and artificial stone
- Maximum tile size 3.600 cm² for internal applications and 2.400 cm² for external applications
- For swimming pools and other applications with permanent immersion not larger than 1.200 cm²

TECHNICAL DATA

Composition: grey or white ordinary Portland cement, selected limestone and siliceous aggregates, and, organic additives

Particle size: < 0,5 mm

Bulk density in powder: 1400±50 kg/m³

Bulk density in fresh mix: 1650±50 kg/m³

Mixing water: 26-28%

Application thickness: 3-10 mm

High initial tensile adhesion strength > 1,0 N/mm²

Durability for:

High tensile adhesion strength after water immersion: > 1,0 N/mm²

High tensile adhesion strength after heat ageing: > 1,0 N/mm²

High tensile adhesion strength after freeze/thaw cycles: > 1,0 N/mm²

Extended open time (tensile adhesion strength): > 0,5 N/mm² (after not less than 30 min)

Shear adhesion strength after heat ageing (CSTB): > 1,5 N/mm²

Slip: < 0,5 mm

Pot life: > 6 h

Adjustability time: > 40 min

Grouting time: > 24 h

Time for pedestrian traffic: > 24 h

Reaction to fire: clase E

Dry consumption (6x6 square notched trowel): 3,0–3,5 kg/m²

Presentation: 25 kg paper sacks. 1.200 kg plastic pallets (48 sacks)

Colour range: grey and white

Shelf life: 1 year from the date of manufacture, in sealed containers and in dry locations

Especially indicated for porcelain stoneware
Great adhesion

Longer open time
Zero slipping

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Instructions for use

- Do not apply at temperatures lower than 5°C or higher than 35°C
- Do not apply in conditions of strong winds
- Do not add sand, cement or any other product that modifies the original formulation
- Once mixed, do not add additional water if the product is dry in the mixing vessel
- Do not exceed 10 mm layer thickness
- Select the kind of buttering (single or double) and trowel in accordance with the layer thickness and tile size
- To prevent tiles from loosening on vertical applications, the maximum tile size must be 40 kg/m² with a 3-4 mm layer thickness (6x6 or 8x8 square trowel). For greater thicknesses, do not exceed a 20 kg/m² tile weight
- For gypsum plastered substrates, CEMEX IMPRIMACIÓN must be applied to consolidate the surface and avoid a possible adhesion failure due to insufficient plaster surface resistance
- Consult the material safety data sheet for further information. Avoid breathing the dust and do not allow it to come into contact with the eyes or skin



1. Preparing the substrate

- Check that the substrate meets the following conditions: free from dust and other residues, dry, with no shrinkage and levelled

2. Mixing

- Dosage the recommended amount of water into a mixing bucket and gently add the powder to the water
- Stir until final consistency is achieved (with no lumps), with a mechanical mortar mixer at low revolutions
- Leave the mix to mature for 5-10 minutes

3. Application

- Lightly stir the mix
- Spread a layer of product on the substrate, trowling with a notched trowel suitable for each use
- Apply the tiles with a slight back and forth cutting movement and perpendicular to the grooves, exerting pressure at the same time until they are completely flattened
- Leave a minimum distance of 1.5 mm between tiles

4. Cleaning

- All product residues can easily be removed with water before they harden