

xtreme



XtraCol C1TE TECHNICAL DATA SHEET



XtraCol C1TE

DESCRIPTION

Xtracol C1TE is a high-performance cement-based tile adhesive (C1TE), formulated with high-strength white cement, selected aggregates, special additives, and synthetic resins to improve workability, water retentivity, open time, and adhesion. No vertical slip. Allows adjustment of tiles.

USE

Laying of ceramic tiles of medium and high absorption in interior walls and interior and exterior floors. Laying of small and medium porcelain tiles on interior walls and floors.

BENEFITS

- No vertical slip.
- Water resistant.
- Great plasticity. Easy workable. Highly thixotropic.
- High mechanical strength, High initial tensile adhesion strength.
- European quality product C1TE type.
- For internal and external use.
- Extended open time. Allows adjustment of tiles.
- Very low VOCs emissions.
- High water retentivity.

SUBSTRATE PREPARATION

Cement-based substrates, cement-based renders/plasters, and screeds. Concrete floors. Substrates must be clean, compact, and free of substances that reduce adhesion such as dust, oil, and grease, and with no loose material. Uneven areas must be corrected with suitable smoothing and finishing products. Substrates must be free from any rising dampness and have already completed the curing period of hygrometric shrinkage. Dampen substrates with water to cool down if they should be too warm, in case of wind or over absorbent substrates, and wait until the thin layer of water disappears. Do not use gypsum-based plasters or paint.

INSTRUCTIONS FOR USE

Mix manually or mechanically using clean water until a homogeneous, creamy, and lump-free paste is obtained and non-sag consistency is reached. Let the mix stand for 5 minutes before application.

Small tiles must be fixed using a notched trowel of 6x6 mm. For tiles sizes greater than 400cm², a notched trowel 8x8mm must be used. Spread the mixed product onto the substrate to a maximum surface area of 1m² or no more than can be tiled within 30 minutes in normal conditions. Unfavorable environmental conditions (strong sunlight, drying wind, high temperature as well as a highly absorbent substrate), could drastically reduce this time to a few minutes. Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action, to ensure good contact and complete coverage. It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved. The back of the tile must be completely wet. To guarantee maximum adhesion it is necessary to apply a sufficient layer of adhesive, on the back surface of the tile.

Coverage is dependent upon the substrate conditions, the notched trowel used, and the method by which the adhesive is applied.

CAUTIONS AND RECOMMENDATIONS

- On gypsum substrates, apply a primer before, to avoid contact between gypsum and the cement of the adhesive, avoiding adverse reactions.
- Abide by any standards and national regulations.
- Do not apply on plastic, metal, or wood.
- Do not apply below 5°C or above 30°C.
- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight
- Do not use the adhesive to correct surface irregularities greater than 15 mm
- Use the right size of toothed trowel for the format of the tile or slab
Guarantee a full bed in all external laying operations.
- Leave joints between tiles with a minimum width of 2 mm.
- On floors with a surface area greater than 30 m², it is recommended to leave separation or sealing joints filled with a deformable material.
- On interior floorings larger than 15 m², it is advisable to keep a free perimeter expansion joint between the floor and the wall or pillar, hidden by a skirting board (Of approximately 5 mm).
- If necessary, ask for the safety data sheet.

NOTE

Product for professional use.
The above guidelines and information are accurate to the best of our knowledge and is offered in good faith. This information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. End user should ensure that he has our latest literature, copy of which will be sent upon request.

STORAGE

1 year in sealed original packaging, sheltered from weather conditions and Humidity.

PRESENTATION

plastificated paper sack of 25kg
Pallets 1,400kg (56 sacks)

TECHNICAL DATA

PROPERTIES OF MIXTURE AND APPLICATION DATA

| | |
|--------------------|-----------------------|
| APPEARANCE | POWDER |
| COLOUR | OFF-WHITE |
| DENSITY OF THE MIX | 1450KG/m ³ |
| GRADING | 0-600µm |
| POT LIFE | 2H |
| ADJUSTABILITY TIME | ≥ 30MIN |
| GROUTING | ≈ 24H |



FINAL PERFORMANCE

TYPE ACCORDING EN12004-1: C1TE

| | |
|--|-------------------------|
| INITIAL TENSILE ADHESION STRENGTH | ≥ 0,5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER WATER | ≥ 0,5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER HEAT AGEING | ≥ 0,5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER FREEZE-THAW CYCLES | ≥ 0,5 N/mm ² |
| EXTENDED OPEN TIME | ≥ 0,5 N/mm ² |
| SLIP | ≤ 0,5 m m |
| REACTION TO FIRE | CLASS E |

THE NOTCHED TROWEL TABLE AND SPREADING TECHNIQUE

| TILE FORMAT | NOTCHED TROWEL | BONDING |
|-----------------------|----------------|-----------------|
| ≥ 100 cm ² | U4 | Simple |
| ≥ 450 cm ² | U6 | Simple |
| ≥ 900 cm ² | U6 / U9 or U10 | Double - Simple |
| > 900 cm ² | U9 or U10 | Double |



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CE

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0370

EN 12004:2007+A1:2012

XTRM01

Xtrem Xtracol C1TE
High performance tile adhesive for medium/high absorption

Tensile adhesion strength:

Initial tensile adhesion strength: ≥ 0,5 N/mm²

Durability: Tensile adhesion strength after water: ≥ 0,5 N/mm²

Tensile adhesion strength after heat ageing: ≥ 0,5 N/mm²

Tensile adhesion strength after freeze-thaw cycles: ≥ 0,5 N/mm²

Reaction to fire: Class E

Hazardous substances: See SDS