



DERBIGUM[®]
AFRICA

BUILDING TOGETHER A SUSTAINABLE FUTURE

MARBROCOL

Product Description :

C2TE classification according to EN 12004

- **C2:** Improved adhesion
- **T:** Slip resistance
- **E:** Extended open time

MARBROCOL C2TE is a thick, white, factory-prepared tile adhesive specially designed for marble and granite. It is formulated with hydraulic binders, mineral fillers, resins, and special additives. When mixed with water on site, it yields a homogeneous and workable paste, applicable in a continuous layer up to 10 mm. It provides excellent adhesion, extended open time, and high resistance to vertical stresses, meeting the requirements of class **C2TE** according to **EN 12004**.

Fields of Application :

MARBROCOL C2TE is intended for bonding:

- Marble and granite slabs
- Wall and floor coverings for interior and exterior applications
- Common construction substrates:
- Ground-supported slabs
- Solid slab floors
- Beam-and-block concrete floors
- Protection layers for waterproofing systems on roof terraces
- Concrete, cement renders, raw masonry, mineral substrates

Technical Characteristics :

Property	Typical Value
Classification (EN 12004)	C2TE
Consistency	Thixotropic paste
Open time	≥ 30 minutes
Setting time	3 to 4 hours
Slip resistance (EN 1308)	≤ 0.5 mm
Initial adhesion (EN 1348)	≥ 1 N/mm ²
Adhesion after open time (EN 1348)	≥ 1 N/mm ²
Adhesion after water immersion (EN 1348)	≥ 1 N/mm ²
Adhesion after heat action (EN 1348)	≥ 1 N/mm ²
Adhesion after extended open time (EN 1348)	≥ 0.5 N/mm ²
Application temperature	+5 °C to +35 °C
Color	White
Density at 25°C	1.7 ± 0.05

ISO 9001
ISO 14001
ISO 45001
BUREAU VERITAS
Certification



DERBIGUM BUILDING SOLUTIONS

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Main advantages :

- Specially formulated for marble and granite
- Excellent adhesion on heavy and mineral substrates
- Very low shrinkage after curing
- High resistance to thermal and mechanical stresses
- Extended open time facilitating installation
- Easy and workable application

Mixing Instructions :

- Pour approximately 6 to 7 litres of clean water for 25 kg of powder.
- Mix mechanically at low speed (< 300 rpm) until a homogeneous paste is obtained.
- Allow to rest for 5 minutes, then remix before application.
- The mixture remains workable for about 2 hours after preparation.

Application recommendations

- Substrates must be clean, sound, solid, and perfectly levelled.
- For hot, porous, or sun-exposed substrates, lightly moisten before installation.
- Apply the product using a metal trowel, then spread with a notched trowel:
- Standard coverings: 6 mm notches
- Large-format coverings: 9 mm notches
- Lay the slabs within the open time (maximum 30 minutes).
- Adjustments possible within 10-15 minutes after placement.
- Regularly check that no surface skin has formed on the adhesive, especially in hot or windy weather.
- Clean excess adhesive before hardening.

Estimated Consumption :

Tile Format	Trowel Type	Consumption (kg/ m)
Slabs ≤ 30 × 30 cm	6 mm notches	≈ 3–5 kg/m ²
Slabs > 30 × 30 cm	9 mm notches (double buttering recommended)	≈ 5–7 kg/m ²
Thick installation (up to 10 mm)	Suitable trowel + double buttering	≈ 7–9 kg/m ²

Packaging & Storage :

- 25 kg kraft bag
- Shelf life: 12 months in its original unopened packaging
- Storage: keep in a dry place, protected from humidity and extreme temperatures

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