



ROKAZ
منتجات المواد الجافة
DRY MORTAR PRODUCTS

TECHNICAL DATA SHEET

C1TE

لاصق بلاط إسمنتي
TILE ADHESIVE





C1TE

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TILE ADHESIVE

1 PRODUCT DESCRIPTION

High-performance cementitious tile adhesive (C1TE) for installing medium- and high-absorption ceramic tiles on interior walls and on interior and exterior floors. Suitable for installing small- and medium-sized porcelain tiles on interior walls and floors.

COLOR

Grey

WEIGHT

20 kg

COVERAGE

Coverage depends on the substrate and application method.



2 USE

Installing medium- and high-absorption ceramic tiles on interior walls and interior/exterior floors, and small- to medium-sized porcelain tiles in interior applications.

3 BENEFITS

- Extended open time
- Reduced vertical slip
- Good water retention
- Easy tile adjustment
- Interior and exterior floor applications

4 SUBSTRATE PREPARATION

Substrates must be stable, clean, compact and free from dust, oil, grease, paint, curing compounds, loose particles and other materials that may reduce adhesion. Uneven areas must be corrected with suitable repair or smoothing products. Cement-based substrates must have completed their curing and shrinkage period. Lightly dampen hot or highly absorbent substrates and allow surface water to disappear before application.



5 INSTRUCTIONS FOR USE

1. Add the powder gradually to clean mixing water.
2. Mix with a low-speed mechanical mixer until a smooth, homogeneous and lump-free paste is obtained.
3. Allow the mix to stand for approximately 5 minutes, then remix briefly.
4. Spread the adhesive with the flat side of a notched trowel, then comb with the appropriate notch size.
5. Press tiles firmly into the adhesive with a slight sliding or twisting action to ensure full contact.
6. Periodically lift a tile to verify adequate transfer and coverage.
7. Clean tools and fresh residues with water before the material hardens.

6 APPLICATION GUIDANCE

Application temperature	+5°C to +30°C
Pot life	At least 2 hours under standard laboratory conditions.
Tile adjustment	≥ 30 min under standard laboratory conditions.
Grouting	Approximately 24 hours, depending on substrate and site conditions.
Tools	Low-speed mixer, notched trowel, rubber mallet and clean water.

7 CAUTIONS AND RECOMMENDATIONS

- Do not apply on unstable, contaminated or poorly prepared surfaces.
- Do not use on metal, plastic or wood without an approved system.
- Do not apply below +5°C or above +30°C.
- Do not apply during rain, frost, strong wind or direct intense sunlight.
- Use the correct trowel notch for the tile size and substrate flatness.
- Ensure full adhesive coverage for exterior applications and large-format tiles.
- Respect movement, perimeter and structural joints.
- Do not add water after the mix has started to set.
- Protect newly installed tiles from water, frost and traffic until adequately cured.
- Carry out a trial application when substrate compatibility is uncertain.

8 PACKAGING

20 kg multi-layer valve bag. Packaging configuration may be adjusted according to production requirements.

9 STORAGE

Store in unopened original packaging, on pallets, in a cool and dry covered area protected from moisture. Target shelf life: 12 months from production date when stored correctly.

Professional-use product. Site conditions, substrate characteristics and workmanship are outside the manufacturer's control. Confirm suitability through trial application and use the latest approved issue of this document.



C1TE

TILE ADHESIVE

10 PROPERTIES OF MIXTURE AND APPLICATION DATA

Property	Declared / Target Value
Appearance	Powder
Color	Grey
Classification according to EN 12004-1	C1TE
Pot life	≥ 2 h
Adjustability time	≥ 30 min
Grouting	≈ 24 h
Application temperature	+5°C to +30°C
Packaging	20 kg

11 FINAL PERFORMANCE

Performance characteristic	Requirement
Initial tensile adhesion strength	≥ 0.5 N/mm ²
Tensile adhesion strength after water immersion	≥ 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 after 30 min
Slip	≤ 0.5 mm
Reaction to fire	Class E

12 NOTCHED TROWEL AND SPREADING GUIDE

Tile format / condition	Indicative trowel	Application method
Small tiles and mosaics	4-6 mm notch	Single spread
Medium tiles	6-8 mm notch	Single spread; check transfer
Large tiles or exterior work	8-10 mm notch	Double spread / back-buttering
Uneven-backed tiles	Selected according to profile	Full bedding required

Important validation note: The performance values shown are the EN 12004 classification thresholds and provisional ROKAZ target values. They must be confirmed by production trials and accredited laboratory testing before the product is marketed or a Declaration of Performance is issued.