

TILE ADHESIVES



ALTAKOLL C2TES1

Colour	Packaging	Consumption
E bardhë, Gri	25 KG	3-5 KG

TILE ADHESIVE - C2TES1

High-quality cement-based tile adhesive (C), composed of high-grade carbonate and marble sand, synthetic resins, and specific additives. It offers improved adhesive strength (2), slip resistance (T), extended open time (E), and flexibility (S1).

Key features:

- Excellent workability
- High resistance to moisture
- Uniform strength
- Can be applied in layers up to 15 mm thick

Classified as C2TES1 adhesive according to EN 12004 standard.

APPLICATION FIELD

- Suitable for bonding ceramic tiles on cement-based substrates, porcelain gres, clinker, marble, stone tiles, mosaics, and thick low-absorption tiles.
- Ideal for bathrooms, balconies, floors, and walls in both indoor and outdoor environments where moisture is present.
- Recommended for high façades, terraces, and areas with underfloor heating systems.
- Suitable for bonding tiles with dimensions from 5 to 120 cm.

This adhesive provides a strong and durable bond, making it well-suited for a wide range of applications and resistant to various environmental conditions.

MIXING METHOD

Mix 7-8 liters of clean water with 25 kg of Altakoll, then blend the mixture using an electric mixer until a smooth, lump-free consistency is achieved. Let it rest for 10 minutes, then mix again briefly before use. The working time of the mixture is approximately 2-3 hours under normal temperature conditions (20°C).

SUBSTRATE PREPARATION

Cement-based substrates must be stable, resistant, and even, free from oil, dirt, and paint residues, and must have reached full curing time before application. Traditional cement screeds with normal setting times should be allowed to cure for at least 28 days. Traditional plaster substrates should be allowed to dry for a minimum of 14 days. Major surface irregularities or large cracks must be repaired in advance. All types of substrates must be cleaned mechanically before applying the product. Before application, the substrate surface should be lightly moistened with water to ensure optimal adhesion and maximize the product's working time.

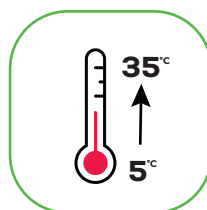
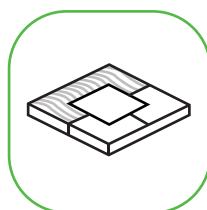


APPLICATION

First, the product is recommended to be applied using the flat side of the trowel to ensure an even distribution, followed by the notched side. Application should be carried out using a trowel appropriate for the type and size of tile being laid. Tiles should be placed by applying light pressure, ensuring full coverage of the tile's underside with adhesive. Under normal atmospheric conditions (at 23°C), the product has an open time of approximately 35 minutes. Ambient conditions may affect the drying time of the adhesive. It is important to make sure that the adhesive does not form a surface film. If a film appears, it is necessary to rework the adhesive with the trowel before laying the tile. Tiles should not be installed with butt joints. Joints must be adapted to the size of the tile, and a 5 mm expansion gap should be left at the junctions with vertical walls.

TECHNICAL DATA

Appearance: Powder	Application temperature: +5°C until +35°C
Packaging: 25 kg paper bag on pallets of 1350 kg.	Adjustment time: 35 min
Colour: White, Grey	Filling of Wall Joints: After 8 to 12 hours
Consumption for small formats: 2-3 kg/m ²	Filling of Floor Joints: After 24 hours
Consumption for big formats: 4-5 kg/m ²	Walkable: After 24 hours
Storage: Store in dry areas on wooden pallets.	Adhesive Strength after 28 days: ≥1 N/mm ²
Storage Time: 12 months from the production date	AS After Water Immersion: ≥1 N/mm ²
Bulk Density: 1.65-1.75gr/cm ³	AS After Heat Aging: ≥1 N/mm ²
Reaction to fire: Class A1	AS After Freeze-Thaw Cycles: ≥1 N/mm ²
Water for mixture: 7-8 liters of water for 25 kg	AS After 30 min: ≥0,5 N/mm ²
pH of mixture: 13	Slip Resistance: ≤0,5 mm



WARNING! Low and high temperatures can alter the working properties of the product, causing either a slowdown or acceleration in the drying process. For very large tile formats, apply the adhesive using the double-spreading technique (on both the back of the tile and the substrate). Protect the substrate for at least 24 hours after adhesive application from heavy rain, frost, and direct sunlight. For large-format tiles, grouting should be carried out 3-5 days after installation—only if waterproofing has been applied.