



CON CERAM 1012 E

Good-performance cementitious tile adhesive with special enhance additives for hot climates. It is classified as type C1TE tile adhesive according to the EN 12004 standard.



DESCRIPTION:

CON CERAM 1012 E is a Powerful High-Performance cement-based tile adhesive, with enhance additives of excellent quality. With zero slip (T), extended application time (E) it also contains inert materials of selected granulometry, excellent workability high adhesion ability, and high durability to extreme temperature conditions (heat) and perfect behavior in all kinds of stresses. It is classified as type C1TE tile adhesive according to EN 12004 standard.

TYPICAL USES:

CON CERAM 1012 E is bonding tiles of the following tile types and applications:

- All kinds of small and medium-sized tiles.
- Tile types such as Porcelain, Ceramic, natural stones, and Mosaic.
- Bonding many types of thermal insulation such as PU, EPS, XPS and ThermStone.
- Bonding tiles for the following applications: internal Facades, floors, Terraces, balconies.
- Vertical (internal only), horizontal (internal and external).

ADVANTAGES:

- Good performance adhesive and bond strength.
- Anti-slip. Can be used for thin or thick bed application.
- Extended application time. Suitable for hot climate.
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- Typical bonding substrates: porcelain, Ceramic, Earthenware, natural stones, Mosaic, Glazed Marble, EPS, XPS, PU foam, rock wool.

STANDARD:

Product declaration CE-marking and Declaration of Performance as Normal setting cementitious adhesive with reduced slip and extended open time, C1TE, according to EN 12004-1:2017, based on assessment by notified laboratory and factory production control.

TECHNICAL SPECIFICATIONS:

Composition:	Portland cements, selected aggregates, water retention additives, re-dispersible polymer
Appearance:	White/grey color powder
Maximum grain size:	Dmax: 0.5 mm
Slip resistance:	≤ 0.5 mm (EN 12004-2)
Tensile adhesion strength Value:	w/p ratio = 0.26 (23° C)
Initial:	≥ 0.5 N/mm ² (EN 12004, class C1)
After water immersion:	≥ 0.5 N/mm ² (EN 12004, class C1)
After heat ageing:	≥ 0.5 N/mm ² (EN1348)
Ready to use (Light traffic):	after 24 Hours
Ready to use (Full traffic):	after 10 days

APPLICATION PROCEDURE:

Surface preparation:

The surface of substrates should be sound, free from laitance, paint, oil, grease, shuttering oil, backwards curing compound, and any other loose particles. Ensure that tiles are dry and free from any contamination.

Mixing:

Mix CON CERAM 1012 E clean water with (24% - 27%) in a pot, Adding CON CERAM 1012 E should be gradual with mixing for 3 to 4 minutes by electrical mixer at low speed until a smooth, lump-free the paste is achieved. Hand mixing is recommended only for small quantities but ensures that powder/water ratio is maintained. To obtain good adhesion first apply a thin coat of CON CERAM 1012 E with the trowel flat side, then notch with the toothed side of the trowel. Tiles installed with CON CERAM 1012 E must not be subject to water for at least 24 hours. Dispose of mortars of which pot life is expired (after 30 minutes). Clean tools and hands with water, surfaces with a damp cloth.

Application:

Apply CON CERAM 1012 E to form thickness of 3mm to 5mm on the substrate. During application should not spread a layer of CON CERAM 1012 E more than 1 square meter at a time. Solid bed fixing is recommended for wet conditions and heavy-duty vertical applications including decorative stone cladding. If required, the CON CERAM 1012 E can additionally be buttered on the backs of the tiles to ensure full adhesive contact. For all other vertical applications, the adhesive bed should be combed horizontally with a full notched trowel to remove excess adhesive. Place it into position with a slight twisting motion, ensuring the tile back achieves full contact with the adhesive. Grouting of joints can be started after 24 hours with CON TILE GROUT.

PACKAGING & STORAGE:

- **Packing** : Grey or White 20 KG Bags.
- **Storage** : Store under cover, out of direct sunlight and protect from extreme temperatures.
- **Shelf life** : Shelf life is up to 12 months when stored as per recommendations.

Coverage:

Solid fixing bed 3 to 5 mm thick

Notched trowel 3.3 to 5.5 kg/m²

Yield 2 kg/m² (on smooth surface).

20 kg of CON CERAM 1012 E when mixed with 5.0 Lt of water yields 16.4 Lt of mixed adhesive.

HEALTH & SAFETY:

The information, and the recommendations relating to the application and end-use of CON products, are given in good faith based on our current knowledge and experience of the products when properly stored, handled, and applied under normal conditions by the given recommendation. We reserve the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned copies, which will be supplied on request.

Caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance directly.

Before each use of any product of ConTech products, its subsidiaries, the user must always read and follow the warnings and instructions on the product's most current product label, Product Datasheet which are available upon request. Nothing contained in any ConTech literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each ConTech product as outlined in the current product label, Product Data Sheet before use of the ConTech product. The user determines the suitability of the product for the intended use and assumes all risks.

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