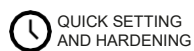


C2 fast

Quick-setting and hardening cement-based powdered adhesive with improved performance and no vertical slip. Suitable for quick interior and exterior renovation jobs requiring immediate installation.



Use this QR code for further details on application modalities, safety sheet and other information.

48 Product code

Also available in

MINIPACK 5kg



Technical characteristics

| | |
|---|----------------|
| Adhesion after 28 days UNI EN 1348 8.2 | 1.6 MPa |
| Adhesion after 6 hours UNI EN 1348 | 0.6 MPa |
| Adhesion after 24 hours UNI EN 1348 | 1.0 MPa |
| Adhesion after immersion in water UNI EN 1348 8.3 | 2.0 MPa |
| Adhesion after heat action UNI EN 1348 8.4 | 1.8 MPa |

| | |
|--|-----------------|
| Adhesion after freezing - thawing cycles UNI EN 1348 8.5 | 1.8 MPa |
| Vertical slip | ABSENT |
| Ready for transit | < 3 h |
| Max. thickness | 8 mm |
| Fire reaction class UNI EN 13501-1 | A1 |

Description

Tradicol C2 fast is a quick-setting and hardening cement-based powdered adhesive with improved performance and no vertical slip. Suitable for quick indoor and outdoor renovation jobs requiring immediate installation. In the production of its adhesives line, Tradimalt S.p.A. has opted for the search for the specificity of each single product, satisfying the installation and adhesion requirements of each

type of tile or floor (stoneware, marble, ceramic) and different substrates. The products are subjected to the most accurate checks by prestigious external laboratories, necessary for obtaining and maintaining the CE markings and the achievement of European classifications, depending on the specific needs of use.

Physical characteristics

| | |
|------------------|---------------------------|
| Package | sack 25 kg /minipack 5 kg |
| Consistency | powder |
| Apparent density | 1300 kg/m ³ |
| Mixture water | 25 - 27% |

| | |
|------------------------------|---|
| Fresh mortar specific weight | 1500 kg/m ³ |
| Aggregate maximum size | ≤ 0.6 mm |
| Temperature of use | +5 °C/+35 °C |
| Storage period | 12 months in unopened packages away from humidity |

Fields of application

Tradicol C2 fast is a powdered adhesive that meets the requirements of UNI 11493 — *Floor and Wall Ceramic Tilings* — and is suitable for laying:

- ceramic tiles of all kinds;
- porcelain stoneware;
- thinner substrates;
- natural stones;

Tradicol C2 fast can be applied on substrates such as:

- cementitious screeds;
- sulphate-based screeds (after applying a suitable primer);
- concrete;
- existing floors;
- radiant floors;
- waterproofing materials;
- cement-based plasters.

Substrate preparation

The substrate must be free of dust, crumbly or flimsy parts. The substrate must be mature enough to receive the adhesive

layer. Fill the unevenness of the substrate with a suitable skim coat or self-levelling screed.

Product preparation

Pour $\frac{3}{4}$ of the needed water in a clean container (as specified in the table *Physical characteristics*). Gradually add the powdered adhesive and shake repeatedly with a whisk drill,

pour the water until the paste is homogeneous and free of lumps. Specific binders allow for ready use of the adhesive.

Product application

Apply a first very thin layer with the smooth side of the spatula pressing firmly on the bottom. Spread the adhesive on the substrate with a suitable notched trowel according to the size and characteristics of the back of the tile, adjusting the thickness with the inclination of the trowel. Apply an amount

of adhesive on a surface that makes it possible to lay the coating within the open time limit. Press and tap the tiles to allow an even distribution of the adhesive on the surface.

Advantages

Silica aggregates

C2 fast is composed of silica sand grains. This aggregate has high hardness, low reactivity to acid attacks and, above all, a low water absorption. This means that the product can be easily worked even with low amounts of mixing water, which

offers less shrinkage and better mechanical characteristics, giving longer durability to your work.

The attention to the particle size curve makes it possible to obtain an excellent level of breathability of the hardened product.

Redispersible polymer powders

C2 fast contains dispersed polymer powder, which is activated upon contact with the mixing water, creating a strong bond between cement-based mortar, substrate and tiles.

The effects are: increase of workability of the skimming operation and increased adhesion.

Quick hardening

The combination of aluminous cements and Portland cements admixed with accelerators provides a high setting and hardening speed while maintaining excellent workability.

The product assumes high initial mechanical performance, making it suitable for paving and cladding that require immediate commissioning.

Specification item

Installation of internal and external floors and coatings of porcelain stoneware, marble, ceramic tiles of all types and natural stones, even overlapping, with quick-setting and hardening powdered adhesive, to be mixed with water only,

such as Tradicoll C2 fast by Tradimalt S.p.A., containing Portland cement, marble powder, specific additives and synthetic resins.

Consumption 3.0-4.0 kg/m².

Adhesion at 28 days 1.6 MPa



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UNI EN 12004
Tradicoll C2 fast

Cement-based adhesive type C2 of EN 12004

Adhesion to initial traction: $>1.0 \text{ N/mm}^2$
Adhesion after 24 hours: $>1.0 \text{ N/mm}^2$
Adhesion to traction after immersion in water: $>1.0 \text{ N/mm}^2$
Adhesion to traction after thermal ageing: $>1.0 \text{ N/mm}^2$
Adhesion to traction after freezing-thawing cycles: $>1.0 \text{ N/mm}^2$



This is Tradimalt's way of communicating, in its information and technical-commercial material, the composition of each product and some of the product's key features. Therefore, the focus is on supply chain transparency, not required by any relevant regulation but which Tradimalt nevertheless intends to offer to its customers in order to emphasise the quality of the raw materials, and thus of the product, as well as the safety that the company intends to demonstrate with regard to formulations. The focus is therefore in the "transparency" that the company intends to manifest in the supply chain, which is not required by any current formulation law.

Raw materials contained in the product

Selected raw materials:

- Siliceous aggregates (0 to 0.6 mm) with high hardness and low water absorption;
- Cements, Portland cement type I from Italian cement factories;
- Organic co-bonding agent, co-polymers, based on vinyl

acetate and ethylene, dispersed in powder form that improve adhesion and deformability of the binder;

- Water retainer, highly modified cellulose ether that improves performance in terms of prolonged open time, high slip resistance, thixotropy and thermal resistance;

End-of-life recyclable product.

Warnings

- Do not apply on wood and wooden substrates.
- Do not apply on rubber.
- Do not apply on PVC.
- Do not apply on marble slabs and stones subject to efflorescence.
- Do not add aggregates or binders to the product.
- Exposure to sunlight or strong ventilation considerably changes the surface glazing time.
- Operating temperature between $+5 \text{ }^\circ\text{C}$ and $+35 \text{ }^\circ\text{C}$.
- Store the product in its unopened packaging and protected from moisture for up to 12 months.

The technical-practical information contained in the technical data sheet is the result of our most accurate and detailed scientific research and experience in the field. However, since we cannot directly influence the site conditions and the execution of the work, this information is to be considered non-binding and therefore not legally or otherwise mandatory for third parties. This information does not exempt the end user from their responsibility to test our products in order to ascertain their suitability for the intended use. We therefore strongly advise the customer/applicator to carry out the appropriate preventive tests of Tradimalt products so that their suitability can be ascertained.