

# C1 bianco

White cement-based powder adhesive with no vertical slip and extended open time. Suitable for indoor and outdoor installation on walls and floors of porcelain stoneware, ceramic tiles of all types, and natural or agglomerated stones.



EXTENDED OPEN TIME



FOR INDOOR AND OUTDOOR USE



MONOCOMPONENT PRODUCT

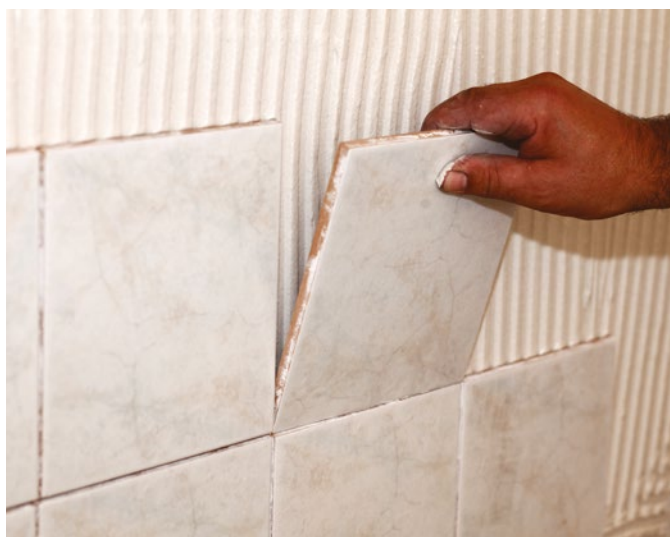


UNI EN 12004



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

**40** Product code



## Technical characteristics

Adhesion after 28 days UNI EN 1348 8.2	<b>0,7 MPa</b>
Adhesion after water immersion UNI EN 1348 8.3:	<b>0,9 MPa</b>
Adhesion after heat exposure UNI EN 1348 8.4:	<b>0,9 MPa</b>
Adhesion after freeze-thaw cycles UNI EN 1348 8.5:	<b>1,4 MPa</b>
Open time at 20 minutes UNI EN 1348:	<b>0,7 MPa</b>

Open time at 30 minutes UNI EN 1348:	<b>0,6 MPa</b>
Vertical slip:	<b>NONE</b>
Transformability:	<b>24 - 48 h</b>
Maximum thickness:	<b>8 mm</b>
Reaction to fire class UNI EN 13501-1:	<b>A1</b>

## Description

C1 White by Tradimalt S.p.A. is a professional cement-based powder adhesive with improved performance, no vertical slip, and extended open time. It is suitable for indoor and outdoor installation on walls and floors of porcelain stoneware, all types of ceramic tiles, and natural or agglomerated stones.

In its adhesives line, Tradimalt focuses on product specificity to meet the application and adhesion needs of all tile and

flooring types (stoneware, marble, ceramics) and a variety of substrates. The products undergo rigorous quality testing by prestigious independent laboratories to obtain and maintain CE marking and achieve relevant European classifications based on specific usage conditions.

## Physical characteristics

Packaging:	<b>25 kg</b>	Fresh mortar specific weight:	<b>1500 kg/m<sup>3</sup></b>
Appearance:	<b>powder</b>	Maximum aggregate size:	<b>≤ 0,6 mm</b>
Apparent bulk density:	<b>1300 kg/m<sup>3</sup></b>	Application temperature:	<b>+5°C/+35°C</b>
Mixing water:	<b>27 - 29%</b>	Storage:	<b>12 months in unopened packaging, protected from moisture</b>

## Applications

Tradicol C1 White is a powdered adhesive that complies with UNI 11493 – Ceramic tiling for walls and floors – and is suitable for installing:

- All types of ceramic tiles;
- Single-fired tiles;
- Double-fired tiles.

It can be applied on the following substrates:

- Cement screeds;
- Cement plasters;
- Anhydrite-based screeds

## Substrate Preparation

The substrate must be clean, dust-free, and free from loose or flaky parts. It must be sufficiently cured to support the adhesive.

Level any irregularities using appropriate leveling compounds or self-leveling screeds.

## Product Preparation

Pour about  $\frac{3}{4}$  of the required water (see technical data) into a clean container. Gradually add the powdered adhesive and stir continuously with a mixing drill. Add the remaining water until a smooth, lump-free paste is obtained. Allow the mix to

rest for approximately 5 minutes to ensure full activation of all components.

## Product Application

Apply a thin initial coat using the smooth side of the trowel, pressing firmly. Then apply the adhesive with a notched trowel suitable for the tile size and back pattern, adjusting the thickness based on the trowel angle.

Only spread enough adhesive to allow tile installation within the open time. Press and tap tiles to ensure full adhesive contact.

### **Marble Powder**

C1 White contains marble powder granules, which enhance durability due to their chemical resistance. Low water absorption results in better workability with minimal mixing water, reduced shrinkage, and higher mechanical strength.

Marble powders are traditionally valued for both aesthetic and technical quality, combining breathability, decorative finish, and resistance to biotic (mold, bacteria) and abiotic (acid rain) aggression.

### **Redispersible Powder Polymers**

C1 White contains redispersible polymers that activate upon contact with water, creating a strong bond between the cement mortar, the substrate, and the tile.

Benefits include improved workability and enhanced adhesion.

### **Specification Clause**

Installation of indoor and outdoor wall and floor ceramic tile coverings (including medium-absorption tiles) on cement-based substrates using white powdered adhesive, mixed with water only, such as Tradicoll C1 White by Tradimalt S.p.A., based on

Portland cement, marble powder, specific additives, and synthetic resins.

Consumption: 3.0–4.0 kg/m<sup>2</sup>

Adhesion after 28 days: 0.7 MPa



**TRADIMALT S.p.A.**

Via Peppino Mondello,48 - VILLAFRANCA TIRRENA  
98049 MESSINA  
**07**  
A-CPR-13-07

**UNI EN 12004**  
**Tradicoll C1 bianco**

*Cement-based powder adhesive C1*

Tensile adhesion strenght  $>0,5 \text{ N/mm}^2$   
Tensile adhesion after water immersion  $>0,5 \text{ N/mm}^2$   
Tensile adhesion after heat ageing:  $>0,5 \text{ N/mm}^2$   
Tensile adhesion after freeze thaw cicles:  $>0,5 \text{ N/mm}^2$



This is the way Tradimalt has to communicate, in the information and technical-sales material, the composition of each product and some key production features. We focus on the transparency of our production chain, which is not required by any

current law; however, Tradimalt wants to offer it to its customers, so to underline the quality of the raw materials, and therefore of the product, apart from the "safety" that the company gives in terms of formulations.

## Raw Materials contained in the product

Selected Raw materials:

- Silica aggregates (0–0.6 mm) with high hardness and low water absorption;
- Type I Portland cement from Italian cement plants.
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End-of-life recyclability: Product is recyclable.

## WARNINGS

- Do not apply on wood or wood-based substrates.
- Do not apply on rubber.
- Do not apply on PVC.
- Do not use on marble or stones prone to efflorescence.
- Do not add other binders or aggregates to the product.
- Avoid exposure to direct sunlight or strong drafts, which can affect setting times.
- Use only within the temperature range of  $+5 \text{ }^\circ\text{C}$  to  $+35 \text{ }^\circ\text{C}$ .
- Store in original, unopened packaging, away 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 it is not possible to intervene directly on site conditions and on the execution of the works, this information is to be considered non-compulsory and, therefore, not binding either legally or in any other way towards 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.