

# MC2 grigio

Professional deformable grey adhesive, in powder, with improved performance, suitable for laying large size tiles of grès ceramic, marble, ceramic tiles of all types and natural stone even overlaying. No vertical slip and extended open time.



EXTENDED  
OPEN TIME



EXTERIOR  
AND  
INTERIOR USE



MONOCOMPONENT  
PRODUCT



UNI EN 12004

C2TE EN 12004

S1 EN 12002

MAXI LARGE  
FORMATS

SiO<sub>2</sub> 60 SILICEOUS  
AGGREGATES

RECYCLING  
CATEGORY R5

TILE ON TILE



Use this QR code to  
study in depth the  
application methods, the  
safety sheet and other  
information

72 Product code



## Technical features

Tensile adhesion after 28 days UNI EN 1348 8.2	<b>1,6 MPa</b>
Tensile adhesion after water immersion UNI EN 1348 8.3	<b>1,8 MPa</b>
Tensile adhesion after heat ageing UNI EN 1348 8.4	<b>1,4 MPa</b>
Tensile adhesion after freeze thaw cycles UNI EN 1348 8.5	<b>1,6 MPa</b>
Open time at 20' UNI EN 1348	<b>1,4 MPa</b>
Open time at 30' UNI EN 1348	<b>1,3 MPa</b>

Open time at 40' UNI EN 1348	<b>1,2 MPa</b>
Open time at 50' UNI EN 1348	<b>1,0 MPa</b>
Vertical slip	<b>ABSENT</b>
Set to foot traffic	<b>24 - 48 h</b>
Max. thickness	<b>15 mm</b>
Reaction to fire class UNI EN 13501 - 1	<b>A1</b>

## Description

MC 2 grigio of Tradimalt is a professional deformable adhesive with an extended open time and with no vertical movement. MC2 is suitable for laying large tiles of grès ceramic, marble, ceramic tiles and all types of natural stone even overlaying. During the production of the Adhesives line, Tradimalt S.p.A did some specific research on each product, fulfilling the laying and adhesive

needs of each type of tile and flooring (grès ceramic, marble and ceramics) and fulfilling the needs of the surface used. Our products undertake meticulous tests performed by important independent laboratories, this is necessary in order to obtain the CE brand and European classification, based on the use.

## Technical features

Package	25 kg
Consistency	powder
Bulk density	1300 kg/m <sup>3</sup>
Water in the mixture	27 - 29%

Specific weight of wet mortar	1500 kg/m <sup>3</sup>
Maximum aggregate size	≤ 0,6 mm
Application temperature range	+5°C/+35°C
Storage	12 months in an intact package and repaired from humidity

## Where to use

Tradicoll MC2 is an adhesive in powder form that satisfies the norm UNI 11493 – Ceramic tile laying on floors and walls – it is suitable for laying large tiles of:

- ceramic tiles of all type;
- grès ceramic;
- thin panels;
- natural stone;
- clinker;
- marble.

Tradicoll MC2 can be applied on the following surfaces:

- cement based screed;
- sulphate based screed;
- concrete;
- pre-existing flooring;
- underfloor heated installation;
- waterproofing products;
- cement plasters.

## Surface preparation

The surface must be cleaned from dust, loose and inconsistent parts. The surface must be sufficiently hardened

in order to apply the adhesive. Flatten the surface differences with a plaster or an auto-levelling product.

## Product preparation

Pour in a clean container  $\frac{3}{4}$  of the water needed (as specified in the Physical features table). Gradually add the adhesive and mix with a mixer, add water

until a homogeneous paste is obtained, the paste is left to rest for 5 mins. so all the components can dissolve.

## Product application

Apply a first very thin layer on the surface, pressing hard with the flat side of the trowel. Lay the adhesive on the surface with the suitable notch trowel based on the form and characteristics of the tile, regulating

the thickness with the angle of the trowel. Apply the quantity of adhesive so that it is possible to lay the tiles before the adhesive hardens. Press and tap the tiles so that the adhesive spreads uniformly.

### **Silica aggregates**

MC 2 grigio is composed of grains of silica sand. This aggregate has elevated hardness, poor reactivity from acid attack and above all low water absorption. This quality translates into an improved workability of the product even with low quantities of water in the mix, so that there is less shrinkage and higher

shrinkage and higher mechanical properties that translates into a superior durability of the work undertaken. The attention of the grading curve allows an excellent air-flow of the hardened product.

### **Polymer in Powder**

MC2 bianco contains in its formula polymers in powder, which are activated when in contact with water, binding the cement mortar

of the underlayment with the tiles. This results in: increase of workability while laying the product and an increase of adhesion even with larger thicknesses and large tiles.

### **Size formats**

The study of the granulometry curve and the choice of the raw materials, guarantees a consistency that allows to spread the product on the underlayment covering the entire surface of the tile even large ones. The characteristic S1, transversal deformability accordingly

to the norm UNI EN 12002, confers the necessary mechanical properties that allows for the perfect laying of tiles of max 5000 cm<sup>2</sup> respecting the condition that one side must not exceed one metre.

## **Technical specifications**

Laying of floor and wall tiles, for interior and exterior, suitable for all types of tiles and stone, even overlaying, on all surfaces indicated by the norm UNI 11493 – ceramic tile laying on the floor and walls with tiles not thicker than

15 mm, with powder adhesive, to be mixed only with water, composed of marble powder and resins, type MC2 bianco of Tradimalt S.p.A. Consumption 3 – 4 kg/m<sup>2</sup> Deformable adhesive S1 (UNI EN 12002).



**TRADIMALT S.p.A.**

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**UNI EN 12004**

**Tradicoll MC2 bianco**

*Cement based adhesive type C2 of EN 12004*

Tensile adhesion strength:  $>1,0 \text{ N/mm}^2$

Tensile adhesion after water immersion:  $>1,0 \text{ N/mm}^2$

Tensile adhesion after heat ageing:  $>1,0 \text{ N/mm}^2$

Tensile adhesion after freeze thaw cycles:  $>1,0 \text{ N/mm}^2$



It's Tradimalt's policy to communicate in the information and technical-commercial material, the composition of every product and some important production characteristics. The focus is the total transparency during the commercial chain, not

required by any existing law but the fact that Tradimalt wants to offer its clients this information so to underline the quality of the raw materials, therefore the quality of the final product, in addition to "the safety" during the production phase..

## RAW MATERIALS IN THE PRODUCT

**Selected raw materials:**

- Silica aggregates (from 0 to 0,6mm), that combine excellent mechanical performances and aesthetic proprieties;
- Cements, Portland cement type I with a high content of Clinker, produced in Italian cement plants;
- Organic co-binders and co-polymers, vinyl acetate and ethylene based, distributed in powder, which improves the adhesion and deformability of the adhesive;
- Water retention, highly modified ether of cellulose so that it extends the open time resistant to movement, thixotropic and thermal resistant.  
Recyclable at the end of live of the product.

## Warnings:

- Do not apply on wood.
- Do not apply on rubber.
- Do not apply on pvc.
- Do not apply on marble or stone that are subject to efflorescence.
- Do not add inert or binders.
- Exposure to sun or strong winds considerably modifies the period of the formation of a superficial film.
- Application temperature range  $+5^{\circ}\text{C}/+35^{\circ}\text{C}$ .
- Keep the product in its intact package and protected from humidity for max 12 months.

The technical-practical information contained in the technical data sheet are the results of our laboratory testing and the experience on the field. With no intervention on the building site conditions and supervision on the way the job is carried out, this information is not to be considered binding and therefore not legally binding or in any other way to a third party. This information does not excuse the user from his responsibilities of trying our products so be sure that the product is correct for the required use. We recommend that the client/applier does the appropriate tests on the Tradimalt products to be sure of the suitability of the product.