



# Metakoll

## Normal Cementitious Adhesive

CODE 3001 - 3002



**COLOUR** Grey or White coloured powder

**PACKAGING** Paper sack of kg 25

**STORAGE** 12 months at least, keeping the product in its original packaging in dry place, and taking all the precautions normally adopted for cementitious products.

### CHARACTERISTICS

METAKOLL C1 is a normal cementitious adhesive, monocomponent, thick-layered in powder, conceived for the laying of tiles, marbles, mosaics etc, on cement mortar substrates. It can be used for interior or exterior application; it is composed of hydraulic binders, selected aggregates, and specific admixtures.

### APPLICATION FIELDS

It can be used for interior or exterior application, both for walls and floorings. The substrates where the product can be applied must be absorbent surfaces like cement plaster or mixed lime plasters, cement screeds. It can not be used on the following substrates: gypsum, wood, metals, rubber floorings.

### APPLICATION PROCEDURE

#### SUBSTRATES PREPARATION

To apply the product substrates must be planar, stable, hard, dry, clean and absorbent.

#### MIXTURE PREPARATION

Mix one sack of kg 25 with 6-7 liter of clean water, and knead with mixer or helix mixer put in the drill at low speed until you obtain a homogeneous lump free paste. Let stand the mixture for about 5-10 minutes and shake it again briefly before the use.

#### APPLICATION PROCEDURE

Apply the adhesive with a notched trowel in the thickness required, taking care to push the product on the substrate with the smooth side of the trowel. Make sure before the application that no film on surface has been formed, in this case apply again a bit of fresh product with the trowel; beat accurately the tiles in order to allow a good wetting of the tile itself. Apply the adhesive on the back of the tiles in order to obtain a complete wetting. In adverse weather conditions (wind, sunlight, high temperatures), the open time could be reduced to a few minutes, so it will be necessary to continuously check that the adhesive has not formed a non-stick glazing, otherwise renew the adhesive. It is not necessary to wet the tiles before the installation, unless they are very dusty. The product can be mixed with TOP LATEX of PLastimur s.r.l, in order to obtain a suitable adhesive to fix tiles on extremely difficult substrates, improving further the level of the adhesion and elasticity. Coatings applied with METAKOLL don't have to be washed or suffer rain for 24 hours at least, and must be protected from frost and sunlight for one week least.

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Adhesive application



Tiles laying



Joints grouting

## GROUTING AND SEALING

The joints between tiles can be grouted after 24 hours on the flooring and after 8/10 hours on the walls.

## CONSUMPTION

About 3,500 - 4,500 kg/mq

## TECHNICAL DATA

### PRODUCT IDENTIFICATION DATA

<b>Appearance</b>	Powder
<b>Colour</b>	Grey Or White
<b>Dimension of The Aggregate</b>	Diameter max 0,5mm
<b>Density of The Dough</b>	1,850 kg/lt
<b>Density of Hardened Product</b>	1,500 kg/lt
<b>Hazard Classification</b>	Irritating (before The Use See The Safety Sheet)

### APPLICATION DATA

<b>Water for Mixture</b>	6,5 Lt/ Per 25 Kg Sack
<b>Consistency</b>	Pasty
<b>Density of Hardened Product</b>	1,500 Kg / mc
<b>Pot Life</b>	Over Than 8 Hours
<b>Ph of Mixture</b>	13
<b>Application Temperature</b>	From +5°C a +30°C
<b>Ready for Wall Joints Grouting</b>	After 8/10 Hours
<b>Ready for Flooring Joints Grouting</b>	After 24 Hours
<b>Ready for Traffic</b>	After 24 Hours
<b>Working Time</b>	After 7 days

Tested at +23°C and 50% U.R. in absence of ventilation. Data can change basing on specific conditions in building site.

## FINAL PERFORMANCES

The product corresponds to the following characteristics according to the EN 1348:

<b>BONDING STRENGTH</b> (Tensile strength/ Cut strength etc.)	EN	1348 p.to 8.2	Initial Tensile Bonding: 1,9 N/mm <sup>2</sup>
<b>Climatic/Thermal Ageing Treatment</b>	EN	1348 p.to 8.4	Tensile Bonding after thermal aging: 1,1 N/mm <sup>2</sup>
<b>Water humidity treatment</b>	EN	1348 p.to 8.3	Tensile Bonding After immersion in water: 1,3 N/mm <sup>2</sup>
<b>Freeze/thaw cycles</b>	EN	1348 p.to 8.5	Tensile Bonding after freeze/thaw cycles: 2,5 N/mm <sup>2</sup>
<b>Open time: tensile Bonding</b>	EN	1346	0,5 N/mm <sup>2</sup> (>20 min)

## WARNINGS

Apply the product at temperatures between 5°C and 30°C. Do not apply on frozen substrates, or during thawing or frost risk.; it is also recommended to moisten the substrates in case of hot or windy days. Coverings placed with METAKOLL don't have to be subject to washout or rain for the following 24 hours, and must be protected by frost or extreme heat of the sunlight for the next 6 days at least.

## ITEM SPECIFICATION

Laying of floorings and internal or external coverings in ceramic with adhesive powder based on selected aggregates and specific admixtures, with a consumption of 3,5-4,5 kg/mq.