



# ISOLCOLL A10 COL13

**C1**  
UNI EN  
12004

## ITEM SPECIFICATIONS

Cement based powder adhesive, for internal applications, for ceramic tiles with deep fluting, on irregular backgrounds, with application thickness up to 10 mm, class C1.

## THE PRODUCT



FOR FLOOR



PACKS OF 25 KG



FOR INDOOR



PACKS OF 14 KG



CEMENT BASED



PACKS OF 10 KG



WHITE AVAILABLE



MECHANICAL MIXING



TO BE APPLIED AT TEMPERATURE > 5°C



TO BE APPLIED WITH NOTCHED TROWEL



TO BE APPLIED AT TEMPERATURE < 35°C



USE PERSONAL PROTECTIVE EQUIPMENT



EXCELLENT PRICE/ PERFORMANCE RATIO

\* available on request

## TECHNICAL CHARACTERISTICS

ISOLCOLL A10 is an adhesive based on high resistances Portland cement, additives and sand of high quality, whose formulation has been specifically designed for markets that need an economical product but also conforming to ISO standards. In particular, it is a product that fully matches the requirements of the construction site, species in extremely hot and dry climates.

### MICROPOROSITY

Its high microporosity is fine and widespread and contributes to its high thixotropy. It gives it a high resistance to thermal shocks and a good overall lightening. This ensures a considerable durability of the product even in conditions of mechanical stress.

### LOW VISCOSITY AND GREAT WORKABILITY

ISOLCOLL A10 was designed to have characteristics of low viscosity. It is an extremely easy-to-work product with high spreadability which greatly reduces operator fatigue and ensures a secure application regardless of the degree of specialization of labor.

### DURATION OF THE MIXTURE

ISOLCOLL A10 presents, once mixed, a creamy texture that lasts several hours and is not excessively affected by high temperatures of application, ensuring a constant water retention.

- specific product for emerging markets
- economic product
- good workability
- for medium- and small-sized tiles
- for indoor
- for floor
- on standard background

## AREAS OF APPLICATION

### INTERVENTIONS

Irreversible structural bonding of ceramic medium-small sized tiles, clinker, terracotta, for interior floors, ideal for civil use.

### MATERIALS

Ceramic tiles, clinker, terracotta, ceramic mosaic.

### SUBSTRATES

Cement-based screeds, ready screeds, concrete.

## DO NOT USE

- for overlaying on other tiles, in swimming pools and cold rooms or in high traffic areas
- on glazed tiles, on resin chips tiles
- with recomposed materials, polystyrene foam, polyurethane foam, linoleum, wood, PVC, rubber, metal surfaces, natural stones and insulating film
- over underfloor heating, cement based waterproofing, aerated concrete, plasterboard, not cementitious waterproofing membranes
- on epoxy or flexible primers, on fiberce-ment, on substrates subject to continuous rising damp, on stoneware substrates
- on gypsum-based screeds

## LAYING

ISOLCOLL A10 should be applied to the substrate using a notched trowel. It is extremely important to choose the height of the tooth. We recommend an application in two coats: the first coat with the smooth side of the trowel and then a coat with the notched side of the trowel. In the case of large tiles, floor to be polished, and heavy loads in general, for greater security in the application we suggest to spread the material on the back of the tile. It is also important to check that the adhesive is still fresh and does not form a surface film that prevents the wetting of the tile. In this case, it is necessary to re-apply the product with the notched trowel. The time that this film is formed varies greatly and depends on: degree of absorption of the substrate, wind, direct sunlight, and temperature.



## COMPLY WITH THE STANDARD N.C.

### INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey/powder

Solid content %: 100

Bulk density kg/l: approx. 1,5

Hazard classification according to 1999/45/EC: irritant  
important to carefully read the instructions contained in this form, on pack and on Safety Data Sheet

Storage: 12 months in dry and ventilated environment

Packaging: 25 kg

Custom code: 3824 50 90

### VALUES OF THE FINAL PERFORMANCE

Initial adhesion after 28 days (EN 1348):  $\geq 0,5 \text{ N/mm}^2$

Adhesion after heat action (EN 1348):  $\geq 0,5 \text{ N/mm}^2$

Adhesion after water immersion (EN 1348):  $\geq 0,5 \text{ N/mm}^2$

Adhesion after freeze/thaw cycles (EN 1348):  $\geq 0,5 \text{ N/mm}^2$

Open time – 20 min. (EN 1346):  $\geq 0,5 \text{ N/mm}^2$

Resistance to solvents: good

Resistance to oils: excellent

Resistance to alkalis: good

Resistance to acid: poor

## VALUES AND APPLICATIVE INFORMATION (AT 23°C AND 50% R.H.)

Water used for mixing: add 5,5 liters ( $\pm 0,5 \text{ l.}$ ) of water on a 25 kg bag of ISOLCOLL A10

Consumption: 3-6 kg/m<sup>2</sup> depending on the trowel and the tile

Complementary products: ISOLFUGA - ISOLPLANO

Application temperature: + 5°C / + 35° C

Temperature in use: -30°C/+90°C

Adjustability time:  $\approx 40$  minutes

Floor grouting: > 24 hours

Set to light foot traffic: > 24 hours

Ready to use:  $\approx 14$  days

PH of the mixture: > 12

## WARNING

The requirements and the guidelines herein are to be considered purely indicative and corresponding to our everyday best experience. We therefore recommend carrying out the tests in order to verify that the product corresponds to what is actually required and expected. We, as producers, do not assume any responsibility about how, when and where our products are applied except for the constant quality of the material.