



ISOLCOLL B40 COL03



ITEM SPECIFICATIONS

Improved cement based powder adhesive with high polymer content, with extended open-ended working time, for bonding of ceramic tiles, clinker, stoneware, terracotta and natural stones not subject to deformation and warping, ideal for overlapping tiles on tiles, even on irregular backgrounds, frost-proof, class C2E.

THE PRODUCT



FOR FLOOR



PACKS OF 25 KG



FOR INDOOR & OUTDOOR



PACKS OF 14 KG



OPEN-ENDED WORKING TIME



PACKS OF 10 KG



CEMENT BASED



MECHANICAL MIXING



WHITE AVAILABLE



TO BE APPLIED WITH NOTCHED TROWEL



TO BE APPLIED AT TEMPERATURE FROM 5°C TO 35°C



USE PERSONAL PROTECTIVE EQUIPMENT

* available on request

TECHNICAL CHARACTERISTICS

ISOLCOLL B40 is an adhesive, specific for laying of medium/big sized and heavy tiles on large horizontal surfaces, where excellent mechanical performance, high workability and long lasting mixture are required.

OPEN-ENDED WORKING TIME AND WETTABILITY

Thanks to the open-ended installation time, ISOLCOLL B40 allows a simple, fast and secure installation. With good wetting characteristics, it allows to achieve easily large areas without making films on surface. This feature greatly facilitates the work of the operator who has a time window increased to paste the tile since the product was applied. Designed to have low viscosity, ISOLCOLL B40 is an extremely easy-to-work-with product, with a high spreadability that significantly reduces operator's fatigue.

RESISTANCE TO SHOCK TEMPERATURE AND TO FREEZE/THAW CYCLES AND WITH HIGH MECHANICAL RESISTANCE

This is one of the most important characteristics for an adhesive for external use. In this case, the adhesive can be exposed to changes in temperature that can exceed 50 degrees. Only high resistance to these changes allows a durable bonding. Floor tiles bonded with ISOLCOLL B40 presents excellent mechanical performance both with heavy loads and in case of important cyclic strains.

- high quality universal adhesive
- open-ended working time > 30 min.
- for big and heavy tiles
- for indoor and outdoor
- for all weather conditions
- for overlaying on other tiles
- in presence of high loads

AREAS OF APPLICATION

INTERVENTIONS

- irreversible structural bonding of ceramic tiles, clinker and terracotta
- for interior & exterior floors
- frost-proof, ideal for civil & industrial use, for street furniture and heavy traffic area, cold rooms and swimming pools or in overlapping

MATERIALS

- ceramic tiles, clinker, terracotta, stoneware, ceramic and vitreous mosaic, natural stones, recomposed materials & foamed concrete blocks

SUBSTRATES

- cement-based screeds and renders, concrete, ready screeds
- gypsum-based screeds and plasters if treated with EMULSIONMIX
- cementitious chips, grès, heating floors, cementitious waterproofers, aerated concrete, walls in cement blocks

DO NOT USE

- on linoleum, wood, PVC, rubber, metal surfaces, insulating film
- on epoxy or flexible primers, on fibercement, on substrates subject to continuous rising damp, on non-cementitious waterproof membranes
- on natural stones subject to movement in the presence of dampness

LAYING

ISOLCOLL B40 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 case of large tiles, floor to be polished and heavy loads in general, for a greater security in the application we recommend to spread the material even on the back of the tile. It is also important to check if the adhesive is still fresh and does not form a surface film, that would prevent 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.

APPLICATION OF A LAYER OF ADHESIVE



BONDING OF TILES ON TERRACE



COMPLY WITH THE STANDARD EN 12004 C2E

INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey/powder

Solid content %: 100

Bulk density kg/l: approx. 1.4

Hazard classification irritant
according to 1999/45/EC: 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): $\geq 1 \text{ N/mm}^2$

Adhesion after heat action (EN 1348): $\geq 1 \text{ N/mm}^2$

Adhesion after water immersion (EN 1348): $\geq 1 \text{ N/mm}^2$

Adhesion after freeze/thaw cycles (EN 1348): $\geq 1 \text{ N/mm}^2$

Open time – 30 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

VALORI E INFORMAZIONI APPLICATIVE (A 23°C E 50% UMIDITÀ RELATIVA)

Water used for mixing: add 6.75 liters ($\pm 0.5 \text{ l.}$) of water on a 25 kg bag of ISOLCOLL B40

Consumption: 3-6 kg/m² 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: ≈ 60 minutes

Floor grouting: ≈ 24 hours

Set to light foot traffic: ≈ 24 hours

Ready to use: 14 days

PH of the mixture: > 12



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WARNING

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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.