



ISOLCOLL B40 NX COL10



ITEM SPECIFICATION

Universal hydrophobic adhesive cementitious render coat with high polymer content, for bonding and smoothing insulating polystyrene panels, even graphited, ideal for embedding fiberglass reinforcement meshes and joint sealing, on application thickness up to 15 mm, frost-proof, based on cement, class GP CSIV W2.

THE PRODUCT



FOR INDOOR & OUTDOOR AT WALL



PACKS OF 25 KG



FOR CEILING



PACKS OF 20 KG



WHITE AVAILABLE



PACKS OF 14 KG



CEMENT BASED



PACKS OF 10 KG



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



MECHANICAL MIXING



FOR EIFS SYSTEM



TO BE APPLIED WITH NOTCHED TROWEL



HYDROPHOBIC



USE PERSONAL PROTECTIVE EQUIPMENT

* available on request

TECHNICAL CHARACTERISTICS

HIGH THIXOTROPY AND NO VERTICAL SLIP

ISOLCOLL B40 NX is specifically designed for EIFS system with EPS panels, with addition of graphite. It has a very high degree of thixotropy to prevent sagging. Especially suitable for work in the vertical: it doesn't let slip panels and has a specific formula for EPS.

WATER-REPELLENCY

One key feature of ISOLCOLL B40 NX is its good water repellency that allows to protect the work, avoiding water infiltrations which may occur by the joints between panels. If water penetrate until the back of the panel, it couldn't go out and would cause great problems of dampness.

MECHANICAL RESISTANCE AND ADHESION

ISOLCOLL B40 NX has a very high adhesion strength on numerous substrates, including on insulating materials added with graphite. At the same time, it ensures excellent mechanical strength, both to orthogonal impact and to creep.

GOOD WORKABILITY

ISOLCOLL B40 NX has creamy consistency and low viscosity with a low tendency to stick to the trowel. This makes ISOLCOLL B40 NX ideal for use as a universal smoothing coat of very high quality, especially in conjunction with glass fibers mesh, for the restoration of walls subject to micro-cracks due to shrinkage.

- specific for EIFS system
- specific for EPS graphited panels
- excellent workability
- for wall & ceiling
- highly hydrophobic
- quick commissioning
- excellent as quality universal render coat

AREAS OF APPLICATION

INTERVENTIONS

- Excellent indoor and outdoor.
- Excellent for walls and ceilings.
- For bonding and smoothing panels in EIFS system, ideal for EPS panels, especially for panels with addition of graphite.
- For embedding of reinforcement meshes and for rendering concrete surfaces and prefabricated items.

MATERIALS

Insulating panels, EPS, graphited EPS, mineralized wood, rock wool, fiber-cement.

SUBSTRATES

- Cement-based and lime-based plasters, aerated concrete, precast or cast in situ concrete
- Blocks (masonry), cement blocks, EPS, graphite

DO NOT USE

- as waterproofing
- on gypsum-based plasters, on glazed tiles, resin or cement-based tiles, cementitious waterproofing, flexible substrates, metal surfaces
- on rubber, PVC, wood, linoleum, insulating film, not cementitious waterproofing membranes
- with natural stones subject to movements in the presence of dampness

LAYING

FOR BONDING

ISOLCOLL B40 NX is applied directly on the panel of polystyrene with a notched trowel over the entire surface (recommended for large panels), at points or along the edges

FOR SMOOTHING (EX. EIFS)

24 hours after the laying of the panels, spread a layer of adhesive on the panel; apply a fiberglass reinforcing mesh resistant to alkali; embed it to the support with an additional layer of adhesive.



COMPLY WITH THE STANDARD

EN 998-1 GP CSIV W2

INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey/powder

Solid content %: 100

Bulk density kg/l: approx. 1,4

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

Compressive strength after 28 days (EN 1015-11): ≥ 6 N/mm²

Adhesive strength on concrete after 28 days (EN 1015-12): ≥ 2 N/mm²

Coefficient of water vapor permeability (EN 1745): 5/20

Water absorption coefficient due to capillarity action (EN 1015-18): W2

Coefficient of heat conductivity (EN 1745) (λ): 0,54

Flexural strength after 28 days (EN 1015-11): ≥ 2 N/mm²

VALUES AND APPLICATIVE INFORMATION

(AT 23°C AND 50% R.H.)

Water used for mixing: add 6,75 liters ($\pm 0,5$ l.) of water on a 25 kg bag of ISOLCOLL B40 NX

Pot life: ≈ 60 minutes

Consumption for bonding of panel with notched trowel: 4-6 kg/m²

Consumption for rendering: $\approx 1,8$ kg/m²

Complementary products: EMULSIONMIX - ISOLMIX

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

Temperature in use: -30°C/+90°C

Open time: ≈ 40 minutes

Adjustability time: ≈ 60 minutes

Ready to use: ≈ 7 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.