



ISOLCOLL B40 NX ECOCALIX COL52



ITEM SPECIFICATION

Adhesive render coat based on natural hydraulic lime, hydrophobic, breathable, ideal for bonding and smoothing of insulating panels made of cork or rockwool, on application thickness up to 15 mm, frost-proof, class GP CSIII W1.

TECHNICAL CHARACTERISTICS

ISOLCOLL B40 ECOCALIX NX is a revolutionary adhesive based on natural hydraulic lime NHL 3.5 with high performance. Its purely mineral and natural composition confers properties of biologic origin.

THE PRODUCT



FOR INDOOR & OUTDOOR AT WALL



PACKS OF 25 KG



FOR CEILING



PACKS OF 20 KG



BASED ON NATURAL HYDRAULIC LIME NHL 3,5



PACKS OF 14 KG



WHITE AVAILABLE



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



SLIGHTLY HYDROPHOBIC



USE PERSONAL PROTECTIVE EQUIPMENT

* available on request

BREATHABILITY

ISOLCOLL B40 NX ECOCALIX is an adhesive that manages to combine the characteristics of excellent adhesion and excellent breathability that make it the ideal product for bonding natural fiber and cork panels so that it makes the insulation package completely ecological. The product can be also used as an adhesive for rock wool and glass wool. This characteristic makes the product suitable for the insulation of old walls where ease and quick drying are crucial.

ADHESION

ISOLCOLL B40 NX ECOCALIX is a product that reaches optimum performance thanks to an improved and accelerated pozzolanic reactivity and thanks to the use of polymers compatible with natural applications that increase both mechanical performance and adhesion.

WORKABILITY

ISOLCOLL B40 NX ECOCALIX is an adhesive with improved rheology, which further increases the wettability of the panel as well as having a creamy and thixotropic texture, ideal for applying an adhesive.

- *breathable*
- *natural and biological*
- *improved adhesion*
- *ideal for cork & natural fibers panels*
- *ideal for restoration*
- *excellent performance*

AREAS OF APPLICATION

INTERVENTIONS

- Excellent indoor and outdoor.
- Excellent for walls and ceilings.
- For bonding and smoothing panels in EIFS system, ideal for cork panels, for rock-wool or glass-wool.

MATERIALS

Insulating cork panels, mineralized wood, rock-wool.

SUBSTRATES

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

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

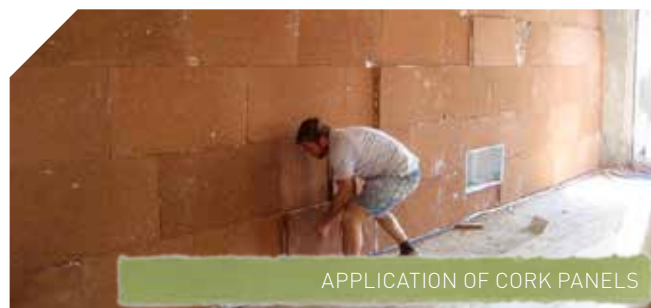
ISOLCOLL B40 NX ECOCALIX is applied directly on the insulating panel with a notched trowel over the entire surface (recommended for large panels), at points or along the edges.

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.



APPLICATION OF CORK PANELS



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COMPLY WITH THE STANDARD

EN 998-1 GP CSIII W1

INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey/powder

Solid content %: 100

Bulk density kg/l: approx. 1,3

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

Compressive strength after 28 days (EN 1015-11): $\geq 3,5$ N/mm²

Adhesive strength on concrete after 28 days
(EN 1015-12): $\geq 0,8$ N/mm²

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

Water absorption coefficient due to capillary action
(EN 1015-18): W1

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

Reaction to fire: A1

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 ECOCALIX

Consumption for bonding of panel with notched trowel: 3-6 kg/m²

Consumption for rendering: $\approx 1,6$ kg/m²

Complementary products: EMULSIONMIX - ISOLMIX

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

Temperature in use: -30°C/+90°C

Open time: ≈ 30 minutes

Adjustability time: ≈ 45 minutes

Ready to use: ≈ 4 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.