

CX-41

ISOLXTREM® SYSTEM

## COLBAIXTHERM

Cement-based mortar for gluing polystyrene (EPS) and rock wool panels.



EXTERIOR



## SURFACES

Cement, stone, fibre cement, brick and absorbent surfaces.

Surfaces must be sound, dry, cohesive, absorbent, well-adhered, clean and free of dust.

## CHARACTERISTICS

- Easy to apply.
- Can be applied in thin and/or thick coats with equal effectiveness.
- Good adherence.
- Low shrinkage.
- CX-41 is approved according to ETAG 004 - ETE 15/0015.

## IDEAL FOR

- The gluing of polystyrene (EPS) and rock wool insulation panels

## ON-SITE APPLICATION

## SURFACE PREPARATION

The surface must be sound, clean and free of any trace of saltpetre, fungi, microorganisms, grease, release oils and, in general, any type of material that could make it difficult for the product to adhere to the foundation.

We recommend creating an irregular surface on the support by mechanical means to give the mortar additional mechanical adhesion.



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#### ON-SITE APPLICATION

##### SURFACE PREPARATION

If there is visible reinforcement, it must be cleaned with sandblasting, high-pressure water or a wire brush. Then apply **RX-531 RUALAIX STOP-OXID** to protect against corrosion.

The existing surface must be clean, hard and consistent; probe with a hammer or other blunt object for poorly adhered areas.

##### CLEANING

When the surfaces present traces of fungi, algae or other microorganisms you must initially apply a curative treatment with a product capable of eliminating this type of microorganisms. It must be applied to the surface to be treated according to the manufacturer's instructions, and then once the microorganisms have been removed, the holder must be cleaned with the help of a water pressure machine or with a hard bristle brush.

If there are saltpetre stains on the surface to be treated, carry out an initial cleaning process with our **RX-523 CLEAN SAL**, applying the material and then scraping it with a hard bristle brush. After mechanically cleaning the surface, it will need to be rinsed with plenty of clean water in order to neutralise any **CLEAN SAL** residue that may remain on the surface.

Any grease or oil must be completely eliminated to allow the product to adhere correctly to the surface. Therefore, we recommend using **RX-527 CLEAN OIL** for proper and complete elimination of these substances.

If the surfaces have holes, they must be scraped and removed until they reach a consistent foundation. The consistent surface is that usually formed by brick, or cement, provided that it can withstand the weight and tension of the subsequent layers applied, without disgregating or undergoing alteration in its structure.

##### DIRECTIONS FOR USE

Mix with clean water at a rate of 24%. For each 24 kg bag, 6,00 litres of water should be used for mixing.

THE MIXING OPERATION MUST ALWAYS BE DONE BY ADDING THE POWDER TO THE LIQUID PART (water), AND NEVER THE OTHER WAY ROUND. (See photo on page 1). i.e.,

First place the clean water in a container and then adjust the necessary amount of powder according to the instructions. Mixing must be done manually or mechanically using an electric mixer. (See photo on page 2).

Then let the paste obtained stand for 5 minutes and then apply the product on the EPS panel with the help of a trowel or spatula. (See photo on page 3 and 4)

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#### ON-SITE APPLICATION



1. Adding CX-41 Colbaixtherm al agua



2. Mixing CX-41 Colbaixtherm



3. CX-41 Colbaixtherm, appearance after mixing



4. Application of CX-41 Colbaixtherm on EPS

#### GLUING EPS PANELS TO THE SURFACE

El encolado de placas de poliestireno expandido (EPS) se hará aplicando la pasta por todo el contorno de la placa con un ancho aproximadamente de unos 5 - 7 cm y aplicando de 2 - 3 "pegotes" en el centro de la misma, dejando una separación entre ellos de unos 10-15 cm. (Ver foto nº 5). Una vez aplicado el material, presionar la placa sobre el soporte absorbente durante unos segundos. (Ver foto nº 6).



5. EPS panel gluing



6. Placing the panel on the surface

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#### ON-SITE APPLICATION

##### GLUING OF ROCK WOOL BOARDS TO THE SURFACE

Gluing with mineral wool must be done by applying an initial layer of CX-41 Colbaixtherm on the entire surface as a plaster. (See photo on page 7).

We will now proceed in the same way as with the EPS panels described above. (See photo on page 8).



7. Rock wool panel plastering



8. Placement of the rock wool board

#### TECHNICAL CHARACTERISTICS

|                             |             |
|-----------------------------|-------------|
| Useful life                 | 3 - 4 H     |
| Maximum granulometry        | 1000 µm     |
| Maximum thickness per layer | 5 mm        |
| pH                          | 12.0 - 14.0 |
| Shore C hardness            | 85          |

|   |  |
|---|--|
| Tool cleaning   | Con agua   |
| Deep drying times                                       | 7 - 8 h en hormigón, en capa de 2 mm                       |
| Density   | Powder: $1.36 \pm 0.07$ g/ml<br>Paste $1.82 \pm 0.07$ g/ml |
| Performance kg/m <sup>2</sup> at 1 mm thickness applied | 2 - 3 Kg/m <sup>2</sup>                                    |

|   |   |
|---|---|
| Adherence on cement and paint surfaces - 2 mm layer | Initial adhesion (28d): More than 1.4 MPa |
|   | Ageing with heat: More than 1.0 MPa       |
|   | Immersion treatment: More than 1.4 MPa    |



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#### INFORMATION OF INTEREST

The manufacturing process is controlled by batch, allowing traceability in the event of any incident. The quality system used includes each article's design and production controls, both in terms of the raw materials used, guaranteeing uniform manufacturing, and the final item obtained. The use of ecotechnologies in our facilities' manufacturing processes allows for efficient work, without damaging the environment that surrounds us.

- Non-flammable product. Irritant
- Avoid bringing the product into contact with skin and eyes.
- Smoking, eating and drinking must be prohibited in the application area.
- Comply with legislation concerning health and safety at work.
- Keep the product in a dry place, in original containers that are kept properly closed
- Store the containers at between 5 °C and 35 °C.
- Recommended storage time: 6 months from the date of manufacture in its original packaging, protected from moisture.

For further information on protective measures and first aid, please refer to the product's Safety Data Sheet.

#### COMMENTS

- For appropriate use and correct application of the product, it is essential to first read the technical data sheet.
- The data provided in this data sheet are for guidance only and should not be considered binding. The data have been obtained in normal laboratory conditions and on standardised surfaces, and may vary depending on the application conditions (absorption of the surface, applied thickness, temperature, environmental humidity, etc.). The intervals displayed have been shaped by measurement history. Slight deviations from the ranges presented in this technical sheet, whether higher or lower, will be accepted according to internal technical criteria and will not result in a loss of quality or affect the performance of the final product, as they are due to (among other factors) variations in measurement conditions and the uncertainty associated with the instruments used.
- User working conditions are beyond our control.
- The product must not be used for purposes other than those specified. It is advisable to follow strictly the recommendations for use.
- It is essential that the condition of the surfaces be assessed prior to each application.
- Use the product within its useful lifetime. Beyond this time, unfavourable properties may arise
- The times established for both the useful life of the product and its setting are calculated under normal laboratory conditions, and are therefore approximate, and may vary depending on environmental conditions.
- Do not mix the product with any material, as it will not retain its technical characteristics.
- Do not apply on non-absorbent surfaces.
- Do not apply the product under unfavourable environmental conditions (e.g. strong winds, or where there are risks of rain or frost).
- Coat with paints or coatings that are permeable to water vapour and resistant to the alkalinity of cement.
- Permanently hot conditions are not suitable for the plasters in the **ISOLXTREM** range, as their mineral components do not contain clays or fire retardants. Applying the product to overheated foundations is therefore strongly discouraged.
- It is not advisable to wet the surfaces. The products of the **ISOLXTREM** range can retain water from kneading, allowing for good workability without tearing.

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## COMMENTS

- The components of the **ISOLXTREM** range are generally hygroscopic and absorb moisture from the air.
- It is essential to always apply the product under favourable conditions of environmental relative humidity.
- The technical department of **ESTABLECIMIENTOS BAIXENS** states that the designs of recently launched new products are considered to be in an experimental phase until an annual history can be defined. From then on, the newly designed product is considered to be fully consolidated within the market. In the meantime, **BAIXENS** reserves the right to adapt its variable specifications or working ranges according to technical criteria. The data subject to modification will be marked with an asterisk for easy identification. These may be recently created products and/or products that are in an experimental phase or undergoing improvements to our various ranges due to market needs and/or demands.
- Our technical-commercial team is at your disposal to advise you regarding any doubts or queries.

## PACKAGING

|          |          |
|----------|----------|
| FORMAT   | 25 kg    |
| UNIT/BOX | —        |
| PALLETS  | 48 SACKS |



|               |               |
|---------------|---------------|
| Internal code | CX41NF2371A20 |
|---------------|---------------|


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*Testing the difference*

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