

**1. DESCRIPTION**

ISOVIT CORKFLEX MD is a bonding mortar made from mixed binders, cork aggregates and **Natural Hydraulic Lime**.

**2. FIELD OF USE**

ISOVIT CORKFLEX MD is specially designed for bonding exterior coverings with exposed expanded cork agglomerate panels, known as **MD FACHADA**. For the execution of reinforced plaster in renovation of old surfaces, or on specific surfaces, we recommend contacting our Technical and Commercial Service.

**3. PRODUCT FEATURES**

| Powder product                               | Amount                                 |
|----------------------------------------------|----------------------------------------|
| Colour                                       | Beige                                  |
| Grade                                        | <1.0 mm                                |
| Paste product                                | Amount                                 |
| Mixing water                                 | 32.0% ± 1.0%                           |
| Theoretical consumption                      | 5.0 kg/m <sup>2</sup> - Double bonding |
| Hardened Product                             | Amount                                 |
| Compressive strength                         | ≥ 6.0 MPa                              |
| Adherence to brick and block/Fracture mode   | ≥ 0.8 MPa/A and B                      |
| Adherence to insulation board (MD FACHADA)   | ≥ 0.12 MPa<br>Break in the substrate   |
| Density                                      | 1000 ± 100 kg/m <sup>3</sup>           |
| Capillarity                                  | Class W <sub>c</sub> 2                 |
| Vapour permeability                          | ≤ 20 μ                                 |
| Reaction to fire                             | Class A1                               |
| Thermal conductivity (λ <sub>10, dry</sub> ) | 0.25 W/m.°C (P=50 %)                   |

**4. APPLICATION****a) Preparation of substrates**

The substrate must be sufficiently smooth and even, consisting of a mineral plaster with the right composition and resistance to support the system, e.g **REDUR MAX FIBRA H2** or **REDUR MAX FORCE**.

The substrate must be cured before the panels are glued.

The substrate must be cohesive, adherent, free of dust or oil and dry when the system is applied.

**b) Preparation of the mixture**

ISOVIT CORKFLEX MD should be mixed with 6.0 to 6.5 litres of clean water (preferably drinking water) for each bag of product, using an electric mixer, until a smooth paste is obtained.

**c) Application**

The expanded cork agglomerate panels are bonded to the substrate with the bonding mortar **ISOVIT CORKFLEX MD** using the double bonding method. This method consists of spreading the adhesive on the back of the panels using a 10 mm notched trowel, so as to ensure a continuous bond between the board and the surface.

The panels should be placed in their final position, pressed against the surface, pressing in to the adhesive mortar. At the same time, their contours and surface planimetry must be adjusted with the adjacent panels, so as to avoid misalignment on the surface of the wall panels.

**d) Restrictions**

ISOVIT CORKFLEX MD should not be applied at room and substrate temperatures below 5 °C and above 30 °C.

The panels should be applied out of direct sunlight, strong winds or high temperatures.

The surface of the front panels must be protected with trim solutions that effectively protect the materials from water ingress.

**e) Complementary advice**

- Do not use **ISOVIT CORKFLEX MD** to fill joints between black cork agglomerate boards;
- The water in the mix must be free of impurities (clay, organic material, etc.), preferably being of drinking quality;
- No grout should be applied that has started the process of setting. Do not soften the mortar by adding water after preparation;
- Do not add any other products to the mortar **ISOVIT CORKFLEX MD**, it should be applied as shown on the original packaging;
- Do not apply in temperatures above 30 °C or below 5 °C;
- Do not apply on horizontal surfaces or on inclines less than 60°;
- Protect the upper edges of the rainwater coating.

# ISOVIT E-CORK MD

BONDING MORTAR WITH NATURAL CORK AGGREGATES

## 5. PACKAGING AND VALIDITY

### Packaging

Plastic pallets of 60 x 20kg paper bags.

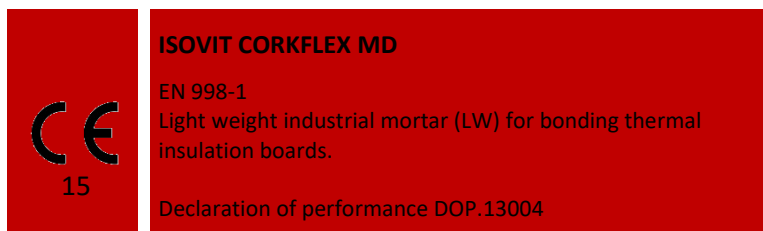
### Expiry

12 months, provided the original packaging conditions remain unchanged and in storage conditions protected from extreme temperatures and humidity.

## 6. HYGIENE AND SAFETY

(DOES NOT PRECLUDE THE PRODUCT SAFETY DATA SHEET)

- Irritant to the eyes, respiratory system and skin
- May cause sensitivity in contact with the skin;
- Do not inhale the dust;
- Avoid contact with the skin and eyes;
- In case of contact with the eyes, wash immediately with plenty of water and consult a specialist;
- Wear suitable protective clothing and gloves
- Keep out of the reach of children.



*Since the conditions of application of our products are out of our control, we cannot be held responsible for their incorrect use. It is the customer's responsibility to verify the suitability of the product for its intended purpose. In any case our liability is limited to the value of the goods provided by us. The information contained in this factsheet may be changed without notice. In case of doubt, and should you require further clarification, we recommend you contact our technical services.*

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