

# ISOVIT E-CORK MD

NHL ADHESION MORTAR WITH NATURAL CORK AGGREGATES

## 1. DESCRIPTION

*ISOVIT E-CORK MD* is a adhesion mortar, formulated from mixed binders, cork aggregates and **Natural Hydraulic Lime**.

## 2. FIELD OF USE

*ISOVIT E-CORK MD* is specially designed for fixing of external cladding composed by high density expanded dark agglomerated cork panels – **MD Facade**.

For non-current uses or on particular substrates, we advise you to contact our Technical-Commercial Services.

## 3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Colour	Beige	-
Granulometry	< 1,0 mm	-
Paste product	Value	Standard
Mixing water	32,0 % ± 1,0 %	EN 1015-2
Theoretical consumption	5,0 kg/m <sup>2</sup> – Double fixing	-
Hardened Product	Value	Standard
Compressive strength	≥ 6,0 MPa	EN 1015-11
Flexural strength	≥ 2,5 MPa	EN 1015-11
Adhesion to brick and block/ Mode of fracture	≥ 0,8 MPa/A and B	EN 1015-12
Adhesion to the insulation panel (black cork agglomerate, ICB)	≥ 0,12 MPa Break in substrate	-
Density	1000 ± 150 kg/m <sup>3</sup>	EN 1015-10
Capillarity	Class W2	EN 1015-18
Permeability to vapour	≤ 10 μ	EN 1015-19
Reaction to fire	Class A1	EN 998-1
Thermal Conductivity ( $\lambda_{10, dry}$ )	0,25 W/m.°C (P=50 %)	NP EN 1745

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## 4. APPLICATION

### a) Substrate preparation

The substrate should be sufficiently flat and regular, consisting of a mineral render, with composition and strength appropriate to the system substrate, for example *REDUR H2FIBRA* or *REDUR MAX FORCE*. The substrate should be cured when the panels are fixed.

The substrate should be cohesive, adherent and free from dust or oils, and it should be dry by the time the system is applied.

### b) Mixture preparation

*ISOVIT E-CORK MD* should be prepared by mixing 6,0 to 6,5 litres of clean water (preferably drinkable) per bag of product, using an electric mixer, until a homogeneous paste is obtained.

### c) Application

The expanded agglomerate cork panels are fixed to the substrate with the *ISOVIT E-CORK MD* adhesion mortar, by using the double fixing method. This method consists of spreading the mortar onto the back of the panels and onto the substrate using a 10 mm notched trowel in order to ensure a continuous fixing between the panel and the substrate.

Panels should be placed in their final position, pressed against the substrate, so as to squeeze the adhesion mortar. Simultaneously, their contours and surface planimetry should be adjusted with the adjacent panels, so as to avoid misalignment on the surface of the panels.

### d) Restrictions

*ISOVIT E-CORK MD* should not be applied at room and substrate temperatures below 5 °C and above 30 °C.

Panel application should be carried out away from direct sunlight, strong wind and high temperature action.

Facade panels have to be protected on top with finishing solutions that effectively protect the applied materials from the water inlet.

### e) Complementary Advices

Do not use *ISOVIT E-CORK MD* for filling joints between the panels.

The mixing water must be free of any impurities (clays, organic matter, etc.), and drinking water should be preferably used.

No mortar that has initiated the setting process should be applied. Do not soften mortars by adding water after preparation.

Do not add any other products to the mortar. *ISOVIT E-CORK MD* should be applied as it is shown in its original packaging.

Do not apply under temperatures above 30 °C or below 5 °C.

Do not apply on horizontal surfaces or with a tilt of less than 45°.

Protect the top edges of the coating from rainwater.

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## 5. PACKAGING AND VALIDITY

### Packaging

20 kg paper bags in plasticized pallets of 60 bags.

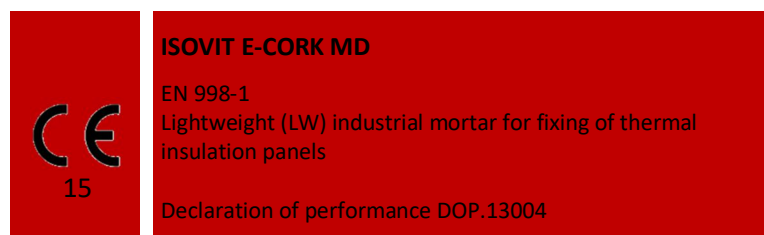
### Validity

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

## 6. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- Irritating to eyes, respiratory system and skin;
- May cause sensitization in contact with skin;
- Do not breathe dust;
- Avoid contact with skin and eyes;
- If it comes in contact with eyes, rinse immediately and thoroughly with water and seek a specialist advice;
- Use protective clothing and appropriate gloves;
- Keep out of children's reach.



*Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.*

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**ecomat**

