

ADHERE Vit ecoCork

NATURAL HYDRAULIC LIME MORTAR WITH NATURAL CORK
AGGREGATES FOR THE FIXING AND LEVELLING OF ICB BOARDS

TC.E.087.1

1. DESCRIPTION

The **ADHERE Vit ecoCORK** mortar is a superficial fixing and levelling mortar formulated with cork aggregates and Natural Hydraulic Lime.

2. FIELD OF APPLICATION

The **ADHERE Vit ecoCORK** is specially indicated for surface fixing and levelling, improving the thermal and acoustic performance, of natural expanded cork boards (ICB) in External Thermal Insulation Composite Systems (ETICS), namely **SeciVIT CORK**, over masonry substrates, concrete blocks, ICB panels and/or hydraulic based substrates, such as concrete and renders.

The **ADHERE Vit ecoCORK** is appropriate for the refurbishment of thermal insulation on painted or ceramic covered façades, once it allows the mechanical fixing of external insulation systems directly over these types of substrates – SeciVit Plugs.

For unusual uses or over specific substrates, we advise previous consultation with our Technical Commercial Services.

3. PRODUCT CHARACTERISTICS

PRODUCT IN POWDER	Value	Standard
Color	beije	-
Granulometrics (mm)	< 1,0	-
PRODUCT IN PASTE	Value	Standard
Mixing Water (%)	31±1	1015-2
Theoretical Consumption (kg/m ²)	3,5 Fixing 1,4 Levelling per layer	-
Bulk Density (kg/m ³)	1250±50	EN 1015-7
HARDENED PRODUCT After 28 days	Value	Standard
Flexural Strength (MPa)	≥ 2,5	EN 1015-11
Compressive strength (MPa)	≥ 6,0	EN 1015-11
Adhesion to brick and block (MPa)	≥ 0,4 / A e B	EN 1015-12
Adhesion to insulation board (ICB)	≥ 1,0 Substrate fracture	-
Density (kg/m ³)	1000±100	EN 1015-10
Capillarity (kg/m ² .min0,5)	W2	EN 1015-18
Water vapour permeability	< 10	EN 1015-19
Reaction to fire (Class)	A1	EN 998-1
Thermal Conduitivity (λ10,dry) (W/m.K)	0.24 (P = 50%)	NP EN 1745

ADHERE Vit FibrasFLEX

ARGAMASSA FIBROREFORÇADA PARA COLAGEM E REGULARIZAÇÃO DE PLACAS DE ISOLAMENTO TÉRMICO



Cork panel application with startup profile



First layer over insulating boards



Embedding fiber glass net over ADHERE Vit ecoCORK



Execution of the second levelling layer of ADHERE Vit ecoCORK



Reabilita Cal Finishing

4. APPLICATION

Preparing the substrates

The substrates must be hardened, free from dust, dismantling fluids, disaggregated or unstable materials, fluorescence, as well as any type of material that may affect the adhesion conditions.

The substrates must be conveniently leveled, without irregularities above 1 cm. If not, we recommend the use of the **MAXDUR** render for surface leveling.

The renders previously applied must have a "troweled" surface and a minimum 28 day curing period, protected of any kind of harsh weather conditions.

For applications over painted substrates, the paint must feature sufficient adhesion to support a new coating.

In case the substrate is an old ceramic coating, make sure that it is resistant and leveled, and that all tiles are strongly attached to the substrate. If not, remove all loose parts and level the surface. If necessary, wash the substrate with adequate detergents in order to remove greases and residue built up on the surface.

Preparing the mixture

ADHERE Vit ecoCORK must be mixed with 6,0 to 6,5 liters of clean water (preferably potable water) for every bag of product, using an electrical mixer, until a homogeneous paste is obtained.

Aplicação

Fixing over masonry and irregular substrates (irregularities up to 1 cm for every 2 meters)

Proceed with fixing of the boards (dimensions 1,0 * 0,5 m) displaying a discontinuous cord of mortar around the perimeter, adding at least two dots of glue in the centre of each board. Ensure the mechanical fixing with SecilVit Plug (minimum recommended – 6 un/m²).

Fixing over render or concrete leveled surfaces

Proceed with simple and continuous fixing with a 10 mm teathed trowel, spreading the mortar on the back of the insulation board. Ensure mechanical fixing with SecilVIT Plug (minimum recommended – 6 un/m²)

Recommendations for the fixing

The procedures for the development of the fixing must ensure that surfaces are uniform and levelled, and that the boards are correctly and tightly placed, leaving no spaces or mortar between them

Leveling

Spread the **ADHERE Vit ecoCORK** mortar over the surface composed of black agglomerate cork board (ICB), conveniently displayed and adherent to the substrate. Apply a first teathed layer, and immediately, apply the fiberglass mesh with the adequate characteristics for this type of application – SecilVit Mesh 160/343. The second layer must be applied over the first, in order to adequately level the surface and prepare it for the finishing layer.

Restrictions

ADHERE Vit ecoCORK must not be applied at ambient temperatures below 5°C and above 30°C.

In dry weather or in exposure to harsh weather conditions, protect the façades in order to minimize the direct action of the wind.

ADHERE Vit FibraFLEX

ARGAMASSA FIBROREFORÇADA PARA COLAGEM E REGULARIZAÇÃO DE PLACAS DE ISOLAMENTO TÉRMICO

Additional Advice

- ▶ Do not use **ADHERE Vit ecoCORK** to fill in joints between black agglomerate cork boards;
- ▶ Do not apply any mortar that has exceeded its open time. Do not soften the mortar by adding water to the mixture;
- ▶ Do not add any other products to the mortar. The adhesive mortar **ADHERE Vit ecoCORK** must be applied as featured in its original packaging;
- ▶ Do not apply at temperatures below 5°C or above 30°C;
- ▶ The mixing water must be free of impurities (clay, organic material), preferably drinking water;
- ▶ Do not apply on horizontal surfaces or with an angle below 45°;
- ▶ Protect the top edges of the system from rainwater.

5. PACKAGING AND VALIDITY

Packaging

20 kg paper bags on 60 bag plasticized pallets.



Validity

As long as the packaging conditions are maintained, in storage away from extreme temperatures and humidity, the product has a time period of validity of 6 months.

6. ASSOCIATED PRODUCTS

- ▶ **REABILITA CAL FINISHING**
(NHL Fine Sand Finish)
- ▶ **MAXDUR RENDER**
(Render for extreme fixings)

7. HYGIENE AND SAFETY

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

- ▶ May cause irritation to eyes, skin and respiratory tract;

- ▶ May cause irritation in contact with the skin;
- ▶ Do not inhale the powder;
- ▶ Avoid contact with skin and eyes;
- ▶ In case of contact with eyes, wash abundantly with water, and seek medical advice immediately;
- ▶ Use protective garments and gloves;
- ▶ Keep away from children;

Once the application conditions of our products are beyond our reach, we will not be held responsible for its incorrect usage. It is the client's duty to verify the suitability of the product for the predicted use. In any case, our responsibility is limited to the value of the goods supplied. The information shown on this file may be changed without previous notice. In case of doubt, and if you should need any additional information, please contact our technical services.

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DESIGNATION: ADHERE Vit ecoCORK
NORMA DE REFERÊNCIA: EN 998-1

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Predicted Use: Fixing mortar

Fixing mortar

Product produced by Secil Martingança, S.A., which management and Quality System is certified by APCER with the n° 2003/CEP.21322

Secil Argamassas

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