



DECOPROCAL MORTAR **DATASHEET**

1.1. DESCRIPTION:

Fixing mortar and coating of natural insulating plates for the External Thermal Insulation Composite System (ETICS).

DECOPROCAL is a natural hydraulic lime (NHL) mortar, a modified polymer with compensated shrinkage, breathable and impervious to rainwater, for the adhesion and fixation of natural insulating plates (cork panels, wood fiber, mineral wool, etc.) for the external thermal insulation composite system (ETICS). DECOPROCAL is formulated based on natural hydraulic lime (NHL), hydraulic binders, natural pozzolana, crushed aggregates of selected granulometry and other organic additives. Natural composition. Lightened with natural cork aggregates.

1.2. ADVANTAGE:

- ✓ Manual or mechanical application. Projectable.
- ✓ Waterproof to rainwater and permeable to water vapor.
- ✓ High deformability: It allows absorbing differential stresses in the hardened state.
- ✓ Great resistance to impact.
- ✓ High water retention capacity.
- ✓ Excellent workability.
- ✓ High adherence

1.3. APPLICATIONS:

Adhesion and protection of agglomerated or expanded natural cork plates (ICB), wood fiber (WF) and rock wool (MW) in thermal insulation systems on the outside. Regularization and protection of insulating materials (ICB, WF and MW) in the Exterior Thermal Insulation Composite System. Thin deformable plaster for rehabilitation walls. Anti-cracking system. It is recommended to use a three-phase machine with suitable liners for mortars that are gray, orange or green, which are different from those for plasters (black and white). The water flow pressure is most likely to be between 550-650.

1.4. SUPPORTS:

Useful supports for the application of DECOPROCAL are:

- Anchoring of natural insulating plates:
 - Enclosures and walls in rehabilitation / restoration work.
 - Enclosures and brick walls, thermo-clay,....
 - Traditional mortar plastering.
 - Stone factory, mixed walls.
 - Brick or ceramic block factory.
 - Mortar renderings.



- Regularization and protection of insulating plates:
 - Expanded agglomerated cork board, wood fiber panel and rock wool.
- Anti-cracking system.
 - In cases not described, consult the Technical Department.

1.5. SUPPORT PREPARATION:

The supports must be healthy, clean, free of paint residues, poorly adhered parts or substances that may hinder adhesion. All supports must have adequate flatness and present a surface of adequate porosity and roughness. It is necessary to moisten the support and wait for the disappearance of the water film. It is essential to avoid a rapid drying of the mortar and will depend on the degree of porosity and absorption of the support. The support must not have humidity problems and, where appropriate, it must have completed its curing retraction, having respected its maturation period. In case of heat, wind or on very absorbent substrates, it is advisable to moisten the substrate and wait for the water film to disappear. Do not apply on plasters, paints, metal surfaces, plastic, waterproofed substrates and materials with low mechanical resistance.

1.6. HOW TO USE:

Mix DECOPROCAL with 6.0-7.0 liters of clean water per 25kg bag manually or with an electric mixer until a homogeneous, creamy and lump-free mixture is obtained. Let stand 5 minutes before application.

Adhesion of natural insulating plates: apply on the plate a perimeter cord 4-8 cm wide and 2-4 cm thick and several pellets in the center of the plate of 8-10 cm in diameter, depending on the size of the same.

1.7. IMPORTANT INDICATIONS:

- The expansion joints must be respected by interrupting the system.
- Do not apply on plastic, metal or wood.
- Do not apply below 5°C or above 30°C.
- Do not apply with risk of frost, rain, strong winds or direct sun.
- Do not apply in areas where there is a danger of stagnant water.
- The range of accessory elements must be used: corner profiles, boot profiles, etc ...
- It is necessary to place mechanical fasteners complementary to gluing. At least 6 dowels per square meter and 8 fixings in height greater than 25 m.
- Prior to the regularization layer, the critical points of the work must be reinforced (hollow edges in doors, windows, etc... by placing 160 gr/m² reinforcing mesh using DECOPROCAL.
- The system should never be lined with conventional single-layer or cement mortars.
- The finishing areas of the metal profiles will be sealed with elastic putty.
- Anti-cracking systems in combination with other mortars and mesh of natural origin.
- Do not use as a plaster directly on the cladding.
- For more information, consult our catalog, technical sheet and / or call: 0034 967 261 787



1.8. TECHNICAL CHARACTERISTICS:

IDENTIFICATION AND APPLICATION DATA	
Appearance	Dust
Color	Beige
Apparent density	≈ 1.200 Kg/m ²
Density of the mixture	≈ 1.500 Kg/m ²
Granulometric range	0-600 µm
% mixing water	± 24%
Minimum application thickness as adhesive	≈ 2 cm
Maximum application thickness as adhesive	≈ 5 cm
Minimum application thickness as coating	≈ 3 cm
Maximum application thickness as coating	≈ 5 cm
Performance	≈ 1,5-2,0 Kg/m ² mm of thickness
Tariff item	3824.50.90.00
IDENTIFICATION AND APPLICATION DATA	
Classification	GP CSIV Wc2
Tensile adhesion on concrete	≥ 0,4 MPa
Compressive strength	≥ 6,0 MPa
Flexural strength	≥ 2,0 MPa
Thermal conductivity	0,43 W/m·K
Reaction to fire	Class F

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1.9. PRESENTATION AND PRESERVATION OF THE PRODUCT:

DECOPROCAL is packaged in 25 kg multi-foil paper sacks with anti-humidity foil.

Conservation: 12 months in closed original container, protected from moisture and in covered places.

1.10. TOOL CLEANING:

Tools and implements are easily cleaned with water before the paste has hardened. Cured or hardened product can only be removed mechanically.

1.11. INSTRUCCIONES DE SEGURIDAD E HIGIENE:

For any information regarding safety issues in the use, handling, storage and disposal of chemical product residues, users should consult the most recent version of the Product Safety Data Sheet. The disposal of the product and its packaging must be carried out in accordance with current legislation and is the responsibility of the final consumer of the product.

