

Datasheet for Decoprocal Adhesive Render



Description

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

DECOPROCAL is a natural hydraulic lime (NHL) mortar combined with a modified polymer. It is resistant to shrinkage plus offers breathability whilst being impervious to rainwater. Used for the adhesion and fixture of External wall Insulation (EWI) Insulation boards (cork panels, wood fibre, mineral wool, etc.) DECOPROCAL is a Natural composition formulated based on natural hydraulic lime (NHL), hydraulic binders, natural polymers, incorporating natural cork aggregates, crushed selected aggregates and other organic additives.

Advantage

- Manual or projection machine application.
- Waterproof to rainwater and permeable to water vapour.
- Highly resilient and durable once fully set..
- Great resistance to impact.
- High water retention capacity.
- Excellent workability.
- High adherence

Applications

Adhesion and protection of agglomerated or expanded natural cork plates (ICB), wood fibre (WF) and rock wool (MW) in External wall insulation systems.

Regularisation and protection of insulating materials (ICB, WF and MW) in the Exterior Thermal Insulation Composite System. Thin coat render for refurbishing walls. Anti-cracking system. It is recommended to use a render projection machine with suitable rotor and stator and appropriate speed / water flow setting.

• Uses and Benefits

- Anchoring of natural insulating plates:
- Anti-cracking system. Breathable Thermal Render for walls for interior or exterior use on new or restoration work.
- Can be used on most walls constructed of: Any Brick, Breeze block, Thermalite block, Concrete block. ceramic block plus and over old Pebble-dash and to level out old and cover over old Mortar renders.
- Regularisation and protection of insulating plates:
- Expanded agglomerated cork board, wood fibre panel and rock wool.

- In cases not described, consult the Technical Department.

Surface / Support Preparation

The surfaces must be in good condition, clean, free of paint residues, poorly adhered parts or substances that may hinder adhesion. All surfaces must have adequate flatness and present a surface of adequate porosity and roughness. It is necessary to moisten the surface and wait for the disappearance of the water film. It is essential to avoid a rapid drying of the mortar / render and will depend on the degree of porosity and absorption of the surface. The surface must not have humidity problems and where appropriate, it must have completed its own curing 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 gypsum plasters, paints, metal surfaces, plastic, waterproofed substrates and materials with low mechanical resistance.

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 centre of the plate of 8-10 cm in diameter, depending on the size of the same.

Important Indications

- 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 beads and stop bead profiles, base profiles, etc ...
- It is also necessary to use mechanical fixings in addition to adhesive. Use at least 8 fixings per square meter and 10 fixings at heights greater than 25 m.
- Prior to the regularisation 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 consolidated with sealant.
- Anti-cracking systems in combination with other mortars and mesh of natural origin.
- Do not use as a finishing plaster directly on the cladding.

For more information, consult our catalog, technical sheet and / or call: 0034 967 261 787

Technical Characteristics	
Identification and Application Data	
Appearance Powder	Appearance Powder
Color Beige	Color Beige
Apparent density ≈ 1.200 Kg/m ²	Apparent density ≈ 1.200 Kg/m ²
Density of the mixture ≈ 1.500 Kg/m ²	Density of the mixture ≈ 1.500 Kg/m ²
Granulometric range 0-600 µm	Granulometric range 0-600 µm

Technical Characteristics	
Identification and Application Data	
% mixing water \pm 24%	% mixing water \pm 24%
Minimum application thickness as adhesive \approx 2 cm	Minimum application thickness as adhesive \approx 2 cm
Maximum application thickness as adhesive \approx 5 cm	Maximum application thickness as adhesive \approx 5 cm
Minimum application thickness as coating \approx 3 cm	Minimum application thickness as coating \approx 3 cm
Maximum application thickness as coating \approx 5 cm	Maximum application thickness as coating \approx 5 cm
Performance \approx 1,5-2,0 Kg/m ² mm of thickness	Performance \approx 1,5-2,0 Kg/m ² mm of thickness
Tariff item 3824.50.90.00	Tariff item 3824.50.90.00
Classification	GP CSIV Wc2
Tensile adhesion on concrete \geq 0	4 MPa
Compressive strength \geq 6	0 MPa
Flexural strength \geq 2	0 MPa
Thermal conductivity 0	43 W/m·K
Reaction to fire	Class F

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.



Tools and equipment Cleaning

Tools and equipment are easily cleaned with water before the product has set. Cured or set product can only be removed mechanically.

Safety and Hygiene Instructions

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.