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TerraGen Bi-Componente Adhesivo

PRODUCT DESCRIPTION

OriGen® **TerraGen Bi-Componente Adhesivo** is an aerial lime coating in paste form for interior and exterior use. It has a matt mineral finish, is highly breathable and provides healthier and more sustainable environments. *TerraGen Bi-Componente Adhesivo* features *TALES technology* and is highly resistant and durable. In addition it neutralizes CO₂, and provides healthier and more sustainable environments.

Ideal as anchor for ETICS insulation boards, reparation mortar and tile adhesive. For use in new construction, restoration and in rehabilitation of heritage buildings.

PRODUCT PROPERTIES

- High flexibility, adhesion and resistance.
- Highly breathable. Prevents condensation.
- High water vapour permeability.
- For interior and exterior use.
- Good workability.
- Free of VOC and formaldehyde emissions.
- Neutralizes CO₂.
- Sustainable; designed under circular economy standards.

Product presentation:

Bi-component product consisting of a lime paste bucket and a bag of aggregate. In the Spanish market it is supplied ready-to-use in a 15L bucket (17 kg); in international markets both options are available.

TECHNICAL CHARACTERISTICS

Apparent density

- Fresh EN 1015-10
- Hardened EN 1015-6

1500 ± 100 kg/m³

1350 ± 100 kg/m³

Compressive strength EN 1015-11

>2.5 N/mm²

Flexural strength EN 1015-11

> 3 N/mm²

Adhesion EN 1348

> 0.5 N/mm²

Fire behaviour EN 13501-1

A1

Nature

Aerial lime putty

Performance on levelled substrate*

5 kg/m² (thickness: 5 mm)

*Depends on the substrate type and condition.



AVAILABLE COLOURS:

Sand white and *Harmony* Colour Card. Please note that the final colour tone may slightly vary from the selected one.

SUBSTRATE PREPARATION

The substrate must be dry, firm, well adhered and free of any impurities to ensure a good adhesion of the product.

If the substrate has algae, mould, fungus and/or other impurities, it is recommended to carry out a thorough cleaning with specific products for such purposes.

If the substrate is decohesioned, brush and treat with *MinerGen* consolidating sealer.

Brush and apply vinegar to substrates with salt deposits.

On non-porous substrates it is recommended to apply a specific primer as bonding agent.

If the substrate presents any pathology not specified above, it is recommended to contact the Technical Department.

GENERAL INDICATIONS:

Protect surfaces that are not going to be treated (carpentry, glass, stone...).

Do not soak the substrate before application, only dampen if it is very dry.

It is advisable not to exceed the amount of mixing water.

Do not add water for its hardening, it cures by absorbing environmental CO₂.

It is recommended to protect the surface with a 1 or 2-component water repellent product. This will depend on the degree of humidity and cleanliness to which the surface will later be exposed.

It is recommended to protect the treated surface from rain for at least 4 days.

Do not mix with other products to preserve its specific properties.

APPLICATION INDICATIONS

APPLICATION SURFACES:

Brick, concrete, fibre cement, render, plaster, prefabricated panels, tiles and masonry. It can be applied on other surfaces with a correct preparation of the substrate, such as prefabricated panels and existing paint.



APPLICATION CONDITIONS:

The ambient and surface temperature must range between +5°C and +30°C. Do not apply under direct sunlight or on substrates overheated by the sun.

In case of high temperatures or wind, dampen the substrate before application and keep the already applied render damp with water sprayings for at least 48 hours.

PRODUCT PREPARATION:

Shake *component A* and mix it with *component B* until a uniform, creamy paste is obtained.

Do not exceed 5 minutes when mixing mechanically.

PRODUCT APPLICATION:

Manually apply a first rough coat and then apply an even second coat until reaching the required thickness.

Finish according to the requested function:

- With a notched trowel (up to 10mm) for bonding tiles, ETICS, or similar.
- Brushing/sanding for later application of finishing mortar.
- For a natural stone effect finish: spread the product evenly over the surface and after 24 hours sand with an 800 grain sander.

Reinforcing mesh should be used in case of substrates with different natures.

Recommended working thickness: 1-5 mm.

Product consumption: between 0.75 and 1 Kg/m² per mm thickness, depending on the finish and the substrate condition.

Technical advice: In case of doubt, please contact the technical department tech@origenpaints.com

DRYING TIME:

At 25°C and 60% relative humidity: 4-6 hours between coats, 7 days for final protection and at least 7 drying days after the adhesion of tiles, ETICS system or floor tiles. Full curing time is 30 days. The product will then reach a higher hardness and resistance. No cleaning and/or scrubbing is recommended until after this period.

TOOLS:

Preparation: mechanical stirrer, mixing builder's tub.

Application and finishing: steel trowel, toothed trowel.



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TOOL CLEANING:

Wash tools after use with lukewarm water.

SHIPPING FORMAT:

| Presentation | Format | Units per pallet |
|--------------|---------------------|--|
| Ready-to-use | 15 L (17 kg) | 33 (ground transport.) / 44 (sea freight) |
| Bi-Component | 4 L (component A) | 96 (ground transport.) / 120 (sea freight) |
| | 13 kg (component B) | 56 |

STORAGE

Store closed in its original bucket in a cool place. Protect from frost and direct sunlight.

Shelf life is 18 months after manufacture date.

WASTE MANAGEMENT

See Safety Data Sheet and follow local regulations.

The containers are made of recycled plastic (component A) and paper with intermediate polyethylene film (component B).

Please respect the environment, do not dispose of the product down the drain and use the nearest waste disposal point.

SAFETY INDICATIONS

See the latest version of the product MSDS for safety, physical, ecological and toxicological data.

Avoid direct contact with skin. Use protective gloves and goggles.

Keep out of children's reach.

The values and characteristics indicated are the result of intensive development work and practical experience. Application recommendations, both verbal and written, are intended to assist in the selection of our products and do not constitute a contractual legal relationship. In particular, they do not release the user from the obligation to check the suitability of the product for the intended use. The general technical standards of construction shall be respected. We reserve the right to make modifications to improve the product or its application. This edition supersedes all previous editions.