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TerraGen Bi-Componente Fino

PRODUCT DESCRIPTION

OriGen® **TerraGen Bi-Componente Fino** is an aerial lime plaster for interior and exterior use. It has a matt mineral finish, is highly breathable and provides healthier and more sustainable environments. *TerraGen Bi-Componente Fino* features *CACO3 technology*, is highly resistant and durable and can be applied as a continuous material for both vertical and horizontal surfaces. In addition, it neutralizes CO₂ and provides healthier and more sustainable environments.

Ideal for use in new construction, restoration, refurbishment of heritage buildings and high decoration projects.

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 4L bucket (*component A* - lime paste) and a 25kg bag (*component B* - aggregate). In the Spanish market it is supplied ready-to-use in a 15L bucket; in international markets both options are available.

TECHNICAL CHARACTERISTICS

Apparent density

- Fresh EN 1015-6 $1850 \pm 100 \text{ kg/m}^3$
- Hardened EN 1015-10 $2050 \pm 100 \text{ kg/m}^3$

Compressive strength EN 998-1

CS II

Adhesion EN 1015-12

$\geq 0.5 \text{ N/mm}^2$

Water vapour permeability EN 998-1

W 2

Water vapour permeability coefficient EN 1015-19

$\leq 15 \mu$

Fire behaviour EN 13501-1

A1

Thermal conductivity (λ_{10} , dry) EN 1745 1

1.11 W/m·K (tabulated value)

Performance on levelled substrate

5 kg/m² (thickness: 2-3 mm)



AVAILABLE COLOURS:

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.

In case of application on very absorbent substrates (or with low porosity), apply an adhesive mortar (leaving it scratched or brushed) and let it dry for 24 hours.

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:

Generally applied over plaster or render. It can also be applied on other surfaces after correct preparation of the substrate: prefabricated panels, concrete, existing paint, tiles, etc.



APPLICATION CONDITIONS:

The ambient and surface temperature must range between +8°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.

Once the drying process has started, follow according to the desired finish: smooth, pressed or trowelled.

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

Recommended working thickness: 1-3 mm, max. 8 mm per day.

Product consumption: between 1.5 and 2 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: 24-48 hours between coats and at least 4 days for paint application. 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: trowel.

TOOL CLEANING:

Wash tools after use with lukewarm water.



SHIPPING FORMAT:

Presentation	Format	Units per pallet
Ready-to-use	15 L	33 (ground transport.) / 44 (sea freight)
Bi-Component	4 L (component A)	96 (ground transport.) / 120 (sea freight)
	25 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.

SUSTAINABILITY GESTURE

Please reduce paint wastage and reuse leftover product.

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.