

TECHNICAL DATA SHEET

Edition 15.2025

EnluGen

PRODUCT DESCRIPTION

OriGen® EnluGen is a ready-to-use lime-based stucco designed for both interior and exterior applications. Featuring a matte mineral finish, it is highly breathable and promotes healthier, more sustainable environments. Ideal for new construction, restoration, and the rehabilitation of historic buildings.

Developed with CaCO_3 ® Technology, EnluGen is a versatile, elegant, durable, and high-performance product, perfectly suited for premium decorative projects.

KEY FEATURES

- High flexibility, adhesion, and resistance
 - Highly breathable – prevents condensation
 - Excellent water vapor permeability
 - Suitable for interior and exterior use
 - Easy to work with
 - Free from VOCs and formaldehyde emissions
 - Neutralizes CO_2
 - Sustainable, designed under circular economy standards
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PRODUCT PRESENTATION

Two-component system consisting of:

- **1.06 gal (4 L)** bucket – *Component A* (lime paste)
- **55.1 lb (25 kg)** bag – *Component B* (aggregate)

In the Spanish market, it is supplied pre-mixed in a **3.96 gal (15 L)** container. In international markets, both options are available.

TECHNICAL DATA

Property	Value
Specific Gravity	$1.35 \pm 0.05 \text{ g/cm}^3$
pH	13 ± 1
Viscosity	115–150 U.K.
Solids by Weight	$65 \pm 5\%$
Base Composition	Aerial lime
Appearance	Dense paste
Finish	Matte
VOC Content	$< 1 \text{ g/L}$
Fire Resistance	A2

AVAILABLE COLORS

White and Harmony Color Chart. Due to the product's mineral nature, the final tone may vary slightly from the selected color.

SUBSTRATE PREPARATION

- Surfaces must be clean, dry, and free of dust, salt, grease, and imperfections.
- Remove any loose or flaking paint manually or with a pressure washer.
- Ensure the texture of the substrate is even.
- If algae, mold, or fungi are present, clean thoroughly with appropriate biocidal products.
- For absorbent surfaces, apply **MinerGen sealer**.
- For wood, rust-free metals, or non-porous surfaces (e.g. tiles), use a bonding primer.
- Old film-forming paints that block vapor diffusion or lack proper adhesion must be removed with paint stripper or mechanical means.
- Mineral substrates must be cured for **at least 28 days**.
- Do not apply on surfaces in permanent contact with water.
- For areas exposed to high humidity or pollution, use a water-repellent sealer to reduce water and contaminant absorption.
- For any unidentified issues, consult the Technical Department.

GENERAL RECOMMENDATIONS

- Protect surfaces not intended for treatment (woodwork, glass, stone, etc.).
- Do not saturate the substrate; lightly dampen if very dry.
- Do not wet the surface to cure — it hardens by absorbing CO₂ from the air.
- Protect the finished surface from rain for **at least 4 days**.

- For long-term durability and resistance, apply a 1- or 2-component water-repellent finish, depending on expected humidity and cleaning conditions.
 - Do not mix with other products to preserve its specific properties.
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SUITABLE SURFACES

Generally applied over stucco or paint. May also be used on properly prepared prefabricated panels, concrete, existing paint, or tiles.

APPLICATION CONDITIONS

Ambient and substrate temperature must be between **41°F and 90°F (5°C to 32°C)**. Do not apply in direct sunlight or on sun-heated surfaces.

PRODUCT PREPARATION

Shake **Component A** thoroughly. Mix it with **Component B** until a smooth, creamy paste is achieved.

APPLICATION

Apply **2 to 3 coats manually**, allowing **1 hour drying time** between coats. Create the desired finish:

- For a **matte finish**: Lightly sand the surface.
- For a **polished finish**: Hand-burnish or use an electric polisher.
- For a **natural breathable seal**, apply **beeswax**.

If the product dries during application, spray with water to restore workability.

Recommended layer thickness: 0.012 in (0.3 mm)

Consumption: approx. **0.41–0.52 lb/ft²** per mm of thickness (2–2.5 kg/m²), depending on the surface and desired finish.

TECHNICAL SUPPORT

If in doubt, contact the Technical Department at  tech@origenpaints.com

DRYING TIMES

At 77°F (25°C) and 60% relative humidity:

- **30–40 minutes** for hand polishing
- **Minimum 90 minutes** for electric polishing
- **24 hours** before applying final protection

Full carbonation curing is achieved after **30 days**, providing optimal hardness and resistance.

Avoid cleaning or scrubbing the surface during this curing period.

TOOLS

- Stucco trowel
- Japanese trowel

TOOL CLEANING

Clean all tools with **warm water** immediately after use.

PACKAGING FORMATS

Presentation	Format	Units per Pallet
Pre-mixed	3.96 gal (15 L)	33 (land) / 44 (sea)
Separate Parts	1.06 gal (4 L, A) 55.1 lb (25 kg, B)	96 (land) / 120 (sea) 56 units

STORAGE

Store in its original sealed container in a cool place.

Protect from frost and direct sunlight.

Shelf life: 18 months from manufacturing date.

WASTE MANAGEMENT

- Refer to the product Safety Data Sheet (SDS) and follow local regulations.
- Component A: Recycled plastic container
- Component B: Paper bag with intermediate polyethylene liner
- Do not dispose of waste via drains.
- Use local recycling centers.
- Reuse leftover product whenever possible to reduce environmental impact.

SAFETY INFORMATION

Check the latest SDS for detailed information on safety, physical, ecological, and toxicological data.

DISCLAIMER

The values and characteristics provided are based on extensive development and field experience.

All application recommendations — written or verbal — are intended as general guidance only and do not constitute a contractual warranty.

It is the user's responsibility to verify the product's suitability for the intended use.

Local building standards and regulations must always be followed.

We reserve the right to improve the product or its application without prior notice.

This edition supersedes all previous versions.