TECHNICAL DATA SHEET

EnluGen™

Lime-Based Stucco · Matte Mineral Finish

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01 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. Ideal for new construction, restoration, and the rehabilitation of historic buildings.

Developed with $CaCO_3$™ Technology (Graphene Technology), EnluGen is a versatile, elegant, durable, and high-performance product, perfectly suited for premium decorative projects.

02 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
- VOC content: < 1 g/L (ISO 11890-2)
- Neutralizes CO_2 as it cures: approx. 13.2 lb (6 kg) per 5 gal pail (manufacturer's notarized voluntary declaration)
- Formula designed with circular-economy concepts

03 PRODUCT PRESENTATION

Ready-to-use paste, supplied in **1 gal** and **5 gal** pails. No mixing required.

04 TECHNICAL DATA

PROPERTY	VALUE
Specific Gravity	**1.35 ± 0.05 g/cm³**
pH	**13 ± 1**
Viscosity	**115–150 KU**
Solids by Weight	**65 ± 5%**
Base Composition	**Aerial lime**
Appearance	**Dense paste**

PROPERTY	VALUE
Finish	**Matte**
VOC Content	**< 1 g/L**
Reaction to fire	**A2 · European classification**

05 AVAILABLE COLORS

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

06 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 (bathrooms, kitchens), apply **TerraGen™ PU Water-Repellent** to reduce water and contaminant absorption; it reduces the breathability of the finish.
- For any unidentified issues, consult the Technical Department.

07 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 CO_2 from the air.
- Protect the finished surface from rain for at least **4 days**.
- In wet areas or where frequent cleaning is expected, protect with **TerraGen PU Water-Repellent** for long-term durability.
- Do not mix with other products to preserve its specific properties.

08 SUITABLE SURFACES

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

09 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.

10 PRODUCT PREPARATION

Stir thoroughly until homogeneous. Do not dilute: the product is ready to use.

11 APPLICATION

Usually **3 coats** for a stucco finish (**2** may suffice, depending on the surface); recoat after **1 hour**. 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)**

Coverage: approx. **73–92 sq.ft/gal per coat** (0.12–0.15 lb/ft²; 0.6–0.75 kg/m²; 0.41–0.51 lb/ft² per mm of thickness), depending on the surface and desired finish.

12 TECHNICAL SUPPORT

If in doubt, contact the Technical Department.

For technical inquiries: marketing@origenpaints.com

13 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.

14 TOOLS

- Stucco trowel
- Japanese trowel

15 TOOL CLEANING

Clean all tools with warm water immediately after use.

16 PACKAGING FORMATS

- **1 gal** (128 fl oz)
- **5 gal** (640 fl oz)

17 STORAGE

- Store in its original sealed container in a cool place.
- Protect from frost and direct sunlight.
- Shelf life: **18 months** from manufacturing date.

18 WASTE MANAGEMENT

- Refer to the product Safety Data Sheet (SDS) and follow local regulations.
- Containers are made of recycled plastic.
- Do not dispose of waste via drains.
- Use local recycling centers.
- Reuse leftover product whenever possible to reduce environmental impact.

19 SAFETY INFORMATION

Corrosive due to its lime content (pH > 11). **H314:** Causes severe skin burns and eye damage. Wear gloves and eye protection.

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

20 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.