

TECHNICAL DATA SHEET

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OriGen® ClayGen Mortar Base

Natural Clay Plaster · Matt Mineral Finish

PRODUCT DESCRIPTION

OriGen® ClayGen Mortar is a natural clay plaster for interiors with a matt mineral finish, highly breathable and free of toxic substances. Powered by our CaCO₃® technology, it delivers outstanding strength and durability, creating seamless, continuous decorative surfaces on both walls and horizontal areas. As it carbonates, the plaster absorbs CO₂ from the surrounding air, actively helping to reduce the carbon footprint of your project. It is ideal for new builds, restoration work, heritage building rehabilitation, high-end decorative projects, and sustainable construction.

KEY FEATURES

- Seamless, continuous matt mineral finish
- High strength and durability — CaCO₃® technology
- Highly breathable: promotes healthier indoor environments
- Absorbs CO₂ during the carbonation process
- Free of toxic substances
- VOC content < 1 g/L (in use)
- Suitable for vertical and horizontal surfaces
- Ideal for heritage restoration and high-end decoration

TECHNICAL PROPERTIES

Property	Value
Presentation	Two-component (A + B)
Appearance (mixed)	Uniform creamy paste
Finish	Matt mineral
VOC Content	< 1 g/L (in use)
Shelf life	24 months in original sealed container

COVERAGE

185–265 sq.ft/gal (2 coats)

Actual coverage depends on the type and condition of the substrate, the tools used, and the application method.

On-site testing is recommended to determine exact consumption.

APPLICATION SURFACES

- Gypsum plaster and renders (typical application)
- Prefabricated panels
- Concrete
- Existing, well-adhered paint
- Tiles, following proper substrate preparation

SUBSTRATE PREPARATION

- The substrate must be clean, dry, and free of dust, salts, grease, and imperfections.
- Remove any poorly adhered previous coatings by scraping or brushing.
- Where mold, algae, or fungi are present, clean thoroughly with specific biocidal products.
- The substrate must be **resistant to high alkalinity**.
- Do not apply on surfaces in permanent contact with water.
- In humid areas, protect the finish with a **1- or 2-component** water-repellent sealer.
- For unusual substrate conditions or special requirements, contact our Technical Department.

APPLICATION CONDITIONS

- Ambient and substrate temperature: **46°F to 86°F**
- Do not apply in direct sunlight or on overheated substrates.

PRODUCT PREPARATION

- Mix **component A** with **component B** until a uniform, creamy paste is obtained.
- When mixing mechanically, do not exceed **5 minutes** of mixing time.

APPLICATION METHOD

- Apply with a **trowel** or **spraying machine**, working the material with a trowel to achieve a continuous, uniform finish.
- Apply in **2 coats**, allowing the proper drying time between coats.
- For decorative glazes or self-adhesive stencils, wait **36 hours** before masking over the plaster.

For technical inquiries:

 info@origenpaints.com

DRYING & CURING TIMES

- **Second coat:** after 2–4 hours at **77°F** and 60% relative humidity
 - **Fully dry:** after 24 hours
- Drying time may vary with temperature and humidity.*

TOOL CLEANING

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

PACKAGING FORMATS

- **4 gal**

STORAGE

Store in the original sealed container, in a cool, dry place, protected from frost and direct sunlight. Shelf life: **24 months** unopened from the date of manufacture.