

Technical Data Sheet

Edition 15.2025
TerraGen Fine

PRODUCT DESCRIPTION

OriGen® TerraGen Fine is a matte mineral lime-based mortar, free of hydraulic additives and highly breathable. TerraGen Fine contains high-quality artisan lime from southern Spain, obtained by natural calcination of limestone, resulting in a durable and resilient product that promotes healthier and more sustainable environments. Suitable for interior and exterior use in new construction and restoration projects.

FEATURES

- Off-white color
- Good adhesion on both old and new substrates
- Highly breathable
- Highly permeable to water vapor
- Excellent flexibility
- Suitable for interior and exterior use
- Sprayable application possible
- Free of VOCs and formaldehyde emissions
- Neutralizes CO₂
- Sustainable, designed under circular economy standards

TECHNICAL SPECIFICATIONS

Property	Value	Unit (Original / Converted)
Type (Standard UNE EN 998-1)	GP	
Mixing water	~6.5 liters per 55 lb bag	~1.7 US gallons per 55 lb bag
Recommended thickness	Max 4–9 mm per coat	Max 0.16–0.35 inches per coat
Coverage	10–12 kg/m ²	2.0–2.5 lbs/ft ²
Bulk density (powder)	~1.75 g/cm ³	~109 lb/ft ³

Property	Value	Unit (Original / Converted)
Bulk density (paste)	~1.80 g/cm ³	~112 lb/ft ³
Bulk density (hardened)	~1.75 g/cm ³	~109 lb/ft ³
Water retention	~97%	
Consistency	~168 mm	~6.6 inches
Water absorption by capillarity	W1	
Adhesion on brick	>0.2 N/mm ²	>29 psi
Compressive strength	~0.4 N/mm ² (CS II)	~58 psi (CS II)
Flexural strength	~0.5 N/mm ²	~72.5 psi
Reaction to fire	A1	
Water vapor permeability	~2.6 x 10 ⁻¹¹ kg/m ² ·s·Pa (μ <6)	Highly permeable

CE Classification

GP-CSII-W0 (EN 998-1:2018)

SURFACE PREPARATION

The substrate must be dry and clean, free of dust, salts, and imperfections. If algae, mold, fungi, or other impurities are present, thoroughly clean using specific products to completely remove them.

If the substrate is poorly bonded, brush and treat with the mineral consolidant MinerGen.

For substrates with salt efflorescence, brush and treat with acetic acid.

For non-porous substrates, apply a bonding bridge to ensure proper adhesion.

For highly absorbent or low-porosity substrates, apply an adhesive mortar (scratch or brush it) and allow 24 hours drying time.

If any other substrate issues arise, contact the Technical Department.

GENERAL GUIDELINES

Protect surfaces not to be treated (woodwork, glass, stone, etc.).

Do not saturate the substrate before application; only moisten if very dry.

Avoid exceeding recommended water mixing ratio.

Do not water cure; hardening occurs through ambient CO₂ absorption.

Protect the treated surface from rain for at least 4 days.

If left exposed, protect the surface with a water-repellent product.
Do not mix with other products to preserve specific product properties.

APPLICATION SURFACES

Typically applied on roughcast or plaster. Can be applied to other surfaces with proper substrate preparation: prefabricated panels, existing paint, etc.

APPLICATION CONDITIONS

Ambient and substrate temperatures should be between 46°F and 86°F (8°C to 30°C).
Do not apply in direct sunlight or on sun-heated surfaces.
In hot or windy conditions, pre-moisten substrates and keep the applied render moist by misting water for at least 48 hours.

PRODUCT PREPARATION

Mix with clean water (~1.7 US gallons per 55 lb bag) until a homogeneous creamy paste is obtained.
If mixing mechanically, do not exceed 5 minutes.

PRODUCT APPLICATION

Apply manually or by spray evenly. Work thickness: 0.16–0.35 inches per day.
Apply a first skim coat, then apply a second uniform coat to the required thickness.
Use reinforcement mesh where substrates of different types meet.
Recommended work thickness: 0.12–0.20 inches, max 0.35 inches per day.
Estimated product consumption: 0.8 lbs/ft² per mm thickness, depending on finish and substrate condition.

FINISHES

Fine scraped finish

- Apply a 0.28–0.35 inch layer with a trowel.
- Level with aluminum straightedge.
- When mortar starts to harden, scrape with a spiked trowel or scraper.

- Once dry, brush to remove loose particles.

Troweled finish

- Apply mortar with a wood or plastic trowel at 0.16–0.24 inches thickness.
- Level with aluminum straightedge.
- When product starts to set, trowel with a wood or plastic trowel.

Burnished finish

- Pass a damp sponge trowel over the troweled finish.

Smooth finish

- Pass a stainless steel trowel over the burnished finish, smoothing the surface.

TECHNICAL SUPPORT

For questions, contact the Technical Department at tech@origenpaints.com.

DRYING TIMES

At 77°F and 60% relative humidity: 24–48 hours between coats, and at least 4 days before painting.

Full carbonation curing occurs at 30 days, achieving good hardness and resistance. Avoid cleaning or scrubbing before this period.

TOOLS

Preparation: mechanical mixer, mixing bucket.

Application: trowel, double-mix spraying machine.

Finishing: trowel, float.

TOOL CLEANING

Clean tools with warm water immediately after use.

PACKAGING

Package Size Units per Pallet

55 lb (25 kg) 56

STORAGE

Store in original, tightly sealed containers in a cool place. Protect from freezing and direct sunlight.

Maximum shelf life: 18 months from manufacturing date.

WASTE MANAGEMENT

Refer to the Safety Data Sheet and comply with local regulations.

Packaging is paper with intermediate polyethylene lining.

Protect the environment: do not dispose of waste down drains; use the nearest recycling center.

SAFETY INFORMATION

Consult the most recent Safety Data Sheet for health, physical, ecological, and toxicological information.

Avoid direct skin contact. Alkaline product: use protective gloves and goggles.

Keep out of reach of children.

DISCLAIMER

The values and characteristics shown result from extensive development and practical experience.

Application recommendations, verbal or written, are advisory to assist in product selection and do not create a contractual relationship.

Users must verify product suitability for their intended use.

General construction standards apply.

We reserve the right to modify the product or its application methods.

This edition supersedes all previous versions.