TECHNICAL DATA SHEET

TerraGen™ Gratti

Decorative mineral coating · Fine finish

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01 PRODUCT DESCRIPTION

OriGen TerraGen™ Gratti is a mineral coating made from selected mineral aggregates, bio-based resins and $CaCO_3$™ Technology (Graphene Technology). Its high filler content gives it a markedly mineral appearance and a deep matte look, with a fine finish. It can be applied with either roller or trowel, which simplifies application and speeds up work on site.

OriGen TerraGen Gratti was developed for fast, reliable application over most surfaces previously painted with well-adhered latex paints, with no need for a dedicated primer under normal substrate conditions. Its excellent workability delivers seamless, uniform finishes of great mineral depth, enhancing walls and ceilings with a natural, elegant texture.

Its mineral-based formulation provides high breathability and excellent performance against ambient humidity, making it an ideal solution for high-traffic spaces, vertical areas exposed to water, hotel corridors, public buildings, homes, and contemporary architecture or historic restoration projects.

Thanks to its mineral nature, OriGen TerraGen Gratti creates breathable, comfortable and visually timeless surfaces, adding depth, authenticity and a beauty inspired by traditional coatings reinterpreted with the most advanced technology.

02 KEY FEATURES

- Strong adhesion on both new and existing substrates
- Highly breathable
- High water-vapor permeability
- Excellent flexibility
- Suitable for interior and exterior use
- Roller- or trowel-applied
- VOC content: < 1 g/L (ISO 11890-2)
- Formula designed with circular-economy concepts

03 TECHNICAL PROPERTIES

PROPERTY	VALUE
Type (EN 998-1 standard)	**GP**
Particle size	**50 µm (0.002 in)**
Recommended thickness	**Max. 0.08–0.12 in (2–3 mm) per coat**

PROPERTY	VALUE
Coverage	**0.61–1.54 lb/sq.ft per coat (3.0–7.5 kg/m²)**
Bulk density, wet paste	**≈ 1.80 g/cm³**
Bulk density, hardened	**≈ 1.75 g/cm³**
Water retention	**≈ 97 %**
Consistency	**≈ 168 mm**
Capillary water absorption	**W2**
Adhesion to brick	**> 0.2 N/mm² (29 psi)**
Compressive strength	**≈ 0.4 N/mm² (58 psi) – CS I**
Flexural strength	**≈ 0.5 N/mm² (73 psi)**
Reaction to fire	**A1 · European classification**
Water-vapor permeability	**≈ 2.6 ×10⁻¹¹ kg/m²·s·Pa (μ < 6)**
CE classification	**GP-CSI-W2 (EN 998-1:2018)**

04 COVERAGE

0.61–1.54 lb/sq.ft

PER COAT (0.08–0.12 IN) · 3.0–7.5 KG/M²

*Coverage: **0.31–0.51 lb/sq.ft per 0.04 in (1 mm)** of applied thickness (1.5–2.5 kg/m²/mm), without waste. Actual coverage depends on the chosen finish and the condition of the substrate; on-site testing is recommended to determine precise consumption.*

05 AVAILABLE COLORS

Off-white or Harmony Color Chart.

06 APPLICATION SURFACES

Typically applied over drywall / gypsum board, spray-applied gypsum plaster, perlite plaster, stucco or skim coats. It can also be applied to other surfaces given correct substrate preparation: prefabricated panels, existing paint, and similar.

07 SUBSTRATE PREPARATION

- The substrate must be **dry and clean**, free of dust, salts and surface defects
- Where algae, mold, fungi and/or other contaminants are present, carry out a thorough cleaning, removing them completely with products specifically intended for this purpose
- If the substrate is badly friable, brush it down and treat it with the *MinerGen* mineral consolidant
- On substrates with salt migration, brush down and apply Neutralysalt Primer
- If the substrate is non-porous, apply a bonding bridge to ensure proper anchoring of the product
- For application over highly absorbent substrates (or those with low porosity), apply an adhesive mortar, leave it skimmed, and allow **24 hours** to dry
- If the substrate shows any condition not covered above, please contact our Technical Department

08 GENERAL RECOMMENDATIONS

- Mask off any surfaces that are not to be treated (joinery, glass, stone, etc.)
- Do not soak the substrate before application; simply dampen it if it is very dry
- Do not exceed the recommended amount of mixing water
- Do not water the surface to set it: it hardens by absorbing ambient CO_2
- Protect the treated surface from rain for at least **4 days**
- If left exposed, protect the surface with a water-repellent product; we recommend our *TerraGen PU Water-Repellent*
- Do not mix with other products, so its specific properties are preserved

09 APPLICATION CONDITIONS

Ambient and substrate temperature must be **between 46 °F and 86 °F (+8 °C to +30 °C)**. Do not apply in direct sunlight or on substrates overheated by the sun. In high temperatures or windy conditions, dampen the substrate beforehand and keep the applied stucco moist by misting it with water for at least **48 hours**.

10 PRODUCT PREPARATION

The product is supplied **ready to use**. **No more than 10 % water** may be added; mix until a smooth, creamy paste is obtained. If mixing mechanically, do not exceed **5 minutes** of mixing time.

11 APPLICATION METHOD

Apply by hand with a trowel or roller, working evenly. Working thickness: **0.08–0.12 in (2–3 mm) per day**. Apply a first levelling coat, then a second coat evenly until the required thickness is reached.

- Recommended working thickness: **0.12–0.2 in (3–5 mm)**

- Where substrates of different types meet, reinforcing mesh must be used
- Estimated product consumption: **0.61–1.54 lb/sq.ft per coat** of 0.08–0.12 in and **0.92–2.56 lb/sq.ft** for the recommended 0.12–0.2 in working thickness, depending on the chosen finish and the condition of the substrate
- As drying begins, work the surface to the desired finish

Fine scraped finish

- Spread over the substrate with a trowel to a thickness of **0.28–0.35 in (7–9 mm)**
- Screed level with an aluminum straightedge
- As the mortar begins to harden, scrape it back with a nail float or a suitable scraper
- Once dry, brush the surface to remove any loose particles

Float finish

- Spread the mortar with a wooden or plastic float to a thickness of **0.16–0.24 in (4–6 mm)**
- Screed level with an aluminum straightedge
- As the product starts to cure, float the surface with a wooden or plastic float

Burnished finish

Over the float finish, work the surface with a dampened sponge float.

Smooth finish

Over the burnished finish, work the surface with a stainless-steel trowel to smooth out the stucco.

Technical support: if in doubt, contact our Technical Department – marketing@origenpaints.com

12 DRYING TIMES

At **77 °F (25 °C)** and **60 % relative humidity**: recoat after **24–48 hours**, and wait at least **4 days** before painting over. Full cure is reached after **30 days**, at which point the coating achieves good hardness and strength. Do not clean or scrub the surface until that period has elapsed.

13 TOOLS

- **Mixing:** mechanical stirrer
- **Application:** trowel, roller
- **Finishing:** trowel, float

14 TOOL CLEANING

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

15 PACKAGING FORMAT

FORMAT	UNITS PER PALLET
44 lb (20 kg) in a 15 L pail, ready to use	**33**

16 STORAGE

Store in the original sealed container in a cool place. Protect from frost and direct sunlight. Maximum shelf life is **18 months** from the date of manufacture.

17 WASTE MANAGEMENT

Containers are made of 100 % recycled plastic and are 100 % recyclable.

Please respect the environment: do not pour residues down the drain and take them to your nearest authorized recycling point.

18 SAFETY INDICATIONS

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

Refer to the Safety Data Sheet and comply with local legal requirements.

Always check the most recent version of the product's Safety Data Sheet for safety information and physical, ecological and toxicological data.

The values and characteristics stated are the result of extensive development work and practical experience. Application recommendations, whether verbal or 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 verify the product's suitability for the intended use. General technical construction standards must be observed. We reserve the right to make modifications that improve the product or its application. This edition supersedes all previous ones.