

Edition 15.2025

MinerGen

PRODUCT DESCRIPTION

OriGen® MinerGen is a mineral consolidating primer based on potassium silicate. It is free from toxic substances and highly breathable. Suitable for both new construction and restoration projects, it is ideal for sustainable building and the rehabilitation of historical structures. MinerGen strengthens loose or weakened mineral substrates and reduces absorption before applying other mineral coatings.

PRODUCT FEATURES

- Acts as a silicate reaction promoter (silicification).
- Reduces substrate absorption.
- Highly breathable; allows walls to breathe.
- Penetrates without forming a film.
- Long-lasting and highly durable.
- Low VOC emissions and free of formaldehyde.
- Eco-friendly; designed under circular economy principles.
- Free of preservatives, solvents, and microplastics.

TECHNICAL PROPERTIES

Property	Value
Specific gravity	1.02 ± 0.05 g/cm³
pH	11 ± 1
Viscosity	<50 U.K.
Solids by weight	68 ± 5%
Nature	Potassium Silicate
Appearance	Colorless liquid
VOC content	<1 g/l

Estimated Yield:

140–175 ft²/gal (1 coat)
(Equivalent to 13–16 m²/l). Actual consumption depends on surface type and condition, application tools, and technique. A sample test on site is recommended.

SUBSTRATE PREPARATION

The substrate must be dry and clean, free from any impurities that may prevent proper adhesion.

If algae, mold, fungi, or other contaminants are present, thoroughly clean the surface using appropriate products designed for this purpose.

- Remove loose or poorly adhered materials by scraping and brushing.
- Mineral substrates must be at least **28 days old**, fully cured, and dry.
- Do not apply to surfaces in constant contact with water.
- For any substrate condition not mentioned above, contact our **Technical Department**.

GENERAL INSTRUCTIONS

- Protect surfaces not intended for treatment (wood, glass, stone, etc.).
- Protect the treated surface from rain for at least **4 days**.
- Do not mix with other products to preserve its specific properties.

APPLICATION INSTRUCTIONS

SUITABLE SURFACES:

New or sound mineral plasters, exposed mineral surfaces such as mortar, render, concrete, lime-based stone, and highly absorbent substrates.

APPLICATION CONDITIONS:

Apply at ambient and substrate temperatures between **+46°F and +90°F (+8°C to +32°C)**.

Do **not apply** in direct sunlight, on hot surfaces, or if rain is expected within **24 hours**.

PRODUCT PREPARATION:

Shake the product well before application.

PRODUCT APPLICATION:

Apply **1 even coat** without over-saturating the surface.

Technical assistance: For questions, contact:

✉ tech@origenpaints.com

DRYING TIMES:

A second coat can be applied after **2–4 hours** (at **77°F / 25°C and 60% relative humidity**).

Full drying occurs after **24 hours**.

TOOL CLEANING:

Clean tools immediately after use with warm water.

PACKAGING:

1L, 4L, and 15L formats
(Approx. 0.26 gal, 1.05 gal, and 3.96 gal)

STORAGE

Store in original sealed container in a cool place.

Protect from frost and direct sunlight.

Maximum shelf life: **18 months** from the manufacturing date.

WASTE MANAGEMENT

- Refer to the **Safety Data Sheet** and follow local regulations.
- Containers are made of **recycled plastic**.
- Respect the environment: do not pour leftovers into drains. Use your nearest recycling center.
- Reduce paint waste. Reuse leftover product whenever possible.

SAFETY INSTRUCTIONS

- Review the latest version of the product's **Safety Data Sheet** for safety, ecological, and toxicological data.
- Avoid direct skin contact. Use gloves and protective eyewear.
- Keep out of reach of children.

NOTICE

The properties and values presented are the result of extensive research and practical experience.

Recommendations—written or verbal—are intended to assist with product selection but do not constitute a binding contract.

Users are responsible for verifying the suitability of the product for its intended purpose.

All applicable building standards must be followed.

We reserve the right to make improvements to the product or its application.

This edition supersedes all previous versions.