TECHNICAL DATA SHEET

MinerGen

Mineral consolidating primer based on potassium silicate

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01 PRODUCT DESCRIPTION

OriGen MinerGen is a mineral consolidating primer based on potassium silicate. It is highly breathable. Suitable for both new construction and restoration projects, it is ideal for sustainable building and the rehabilitation of historic structures. MinerGen strengthens loose or weakened mineral substrates and reduces absorption before other mineral coatings are applied. Developed with $CaCO_3$™ Technology (Graphene Technology).

02 KEY 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.
- VOC content: < 1 g/L; formaldehyde-free.
- Formula designed with eco-design and circular-economy concepts
- Free of solvents and microplastics.

03 TECHNICAL PROPERTIES

PROPERTY	VALUE	UNITS
Specific gravity	**1.05 ± 0.05**	g/cm³ (~8.8 lb/gal)
pH	**11 ± 1**	
Viscosity	**<50**	KU (Krebs units)
Solids content	**60 ± 5%**	
Nature	**Potassium silicate**	
Appearance	**Liquid**	
Finish	**Transparent**	
VOC content	**<1 g/L**	

04 COVERAGE

530–650 sq ft/gal

PER COAT (13–16 m²/L)

Coverage depends on the substrate type and condition, the tools used and the application method. Actual consumption should be verified on site.

05 APPLICATION SURFACES

Generally applied over stucco or paint. It can also be used on concrete panels, lime-based stone and highly absorbent substrates.

06 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.

07 GENERAL INSTRUCTIONS

- Protect surfaces not intended for treatment (woodwork, glass, stone, etc.).
- Rinse off splashes immediately with water until completely removed.
- Do not mix with other products, in order to preserve its properties.

08 APPLICATION CONDITIONS

Ambient and substrate temperatures must be between **41°F and 104°F** (5°C and 40°C).

Do not apply in direct sunlight or on substrates exposed to the sun.

09 PRODUCT PREPARATION

Shake well until a homogeneous mixture is obtained and apply evenly. **No dilution required**; the product is ready to use.

10 APPLICATION METHOD

Apply **2 to 3 coats** by hand to saturate the substrate. Recoat after **1 hour**.

For technical inquiries: marketing@origenpaints.com

11 DRYING TIMES

At **77°F** (25°C) and 60% relative humidity:

- **24 hours** to full drying.

12 TOOL CLEANING

Clean tools with **warm water**.

13 PACKAGING FORMATS

Available in **1 US gallon** and **5 US gallons** containers.

14 STORAGE

Store in the original sealed container in a cool place. Protect from frost and direct sunlight.

Maximum shelf life is **24 months** from the date of manufacture.

15 WASTE MANAGEMENT

Refer to the Safety Data Sheet and comply with local regulations. Containers are made of recycled plastic.

Respect the environment: do not pour waste down the drain; take it to your nearest recycling center.

Reduce paint waste and reuse leftover product.

16 SAFETY INSTRUCTIONS

Review the latest Safety Data Sheet for safety, physical, ecological and toxicological information.

Alkaline product (pH 11): avoid contact with eyes and skin; wear gloves and eye protection.

Keep out of reach of children.

The values and characteristics indicated are based on intensive development and practical experience. Application recommendations, verbal or written, are for guidance in product selection only and do not constitute a contractual obligation. Users must verify the product's suitability for the intended use. General technical construction standards apply. We reserve the right to modify the product or its application. This edition supersedes all previous editions.