

## SILICONE PLASTER

- Self-cleaning
- Resistant to varying weather conditions
- Micro-scale flakes and pure marble
- Reinforced with synthetic fibers
- UV stabilized
- High matrix melting point
- Low water absorption
- To be applied with a trowel



**Ecoprox Silicone Plaster** is a ready-to-use plaster mass for application on building facades. Thanks to its silicone resin content, it features high vapor permeability while maintaining low water absorption of the coating. The product is protected with biocidal agents that inhibit the growth of algae and fungi. The plaster exhibits excellent resistance to weather conditions. It is available in white or according to the Ecoprox color palette. The plaster is based on organic binders and it is intended for covering external and internal walls, columns, partition walls, and cavity walls. The plaster has a full “lamb” or scratched “bark beetle” texture (1.5 mm and 2.0 mm).

### The plaster incorporates:

- Raw materials that increase mechanical strength
- Round marble grains
- Biological protections
- UV stabilizers for resin protection against sunlight
- Enhanced temperature resistance
- Increased impact resistance and resistance to acid rain
- Easy application
- Uniform texture

## APPLICATION

The product is intended for use on stable and load-bearing surfaces of external building walls, as well as internal residential or public utility surfaces. It can be used on both new, seasoned mineral substrates and on walls coated with dispersion paints. Before applying the plaster, the surface should be prepared by applying **Ecoprox Plaster Primer Undercoat**.

## TECHNICAL PARAMETERS

<b>Color options:</b>	white and tintable
<b>Fire reaction:</b>	B-s2, d0
<b>Substrate adhesion:</b>	≥ 0,3 MPa
<b>Thermal conductivity <math>\lambda</math>:</b>	≤ 0,67 W/(mK) dla P=50% ≤ 0,76 W/(mK) dla P=90% (tabular value. PN-EN 1745)
<b>Recommended number of layers:</b>	1
<b>Air and substrate application temperature:</b>	od +5°C do +25°C
<b>Relative air humidity:</b>	≤ 75%
<b>Water vapor permeability:</b>	$S_d=0,30$ m (kat. V2)
<b>Water absorption:</b>	$w=0,09$ kg/m <sup>2</sup> ·h <sup>0,5</sup> (kat. W2)
<b>Drying time:</b>	approximately 24 h
<b>Application:</b>	trowel
<b>Density:</b>	approximately 1.80 kg/dm <sup>3</sup>
<b>pH:</b>	approximately 8,0
<b>Volatile Organic Compounds Content:</b>	VOC free
<b>Dedicated primer:</b>	Ecoprox Plaster Primer

## SURFACE PREPARATION

The substrate should be degreased and structurally sound, free from scratches and cracks, level and dry, and devoid of biological or chemical stains, spots, or efflorescence. In case of algae or fungi growth, the substrate should be mechanically cleaned, then washed with water and primed with a deeply penetrating preparation containing a fungicide. Any loose layers not adhering to the substrate (such as loose, inconsistent plasters or flaking paint coatings) must be removed. Clean dirty surfaces and degrease with water and detergent. If the substrate has significant irregularities, initially level the wall with leveling mortar, then smooth the entire surface with spackling compound.

For absorbent surfaces before applying leveling or spackling compounds, prime with a deeply penetrating preparation containing a fungicide. When applying plaster mass on newly made mineral substrates (e.g., concrete, cement plaster, or lime-cement plaster), allow a minimum 4-week seasoning period. Before applying silicone plaster mass, apply base layers of the system according to the complex technology of external wall thermal insulation systems. Silicone plaster mass can be applied to a surface primed with **Ecoprox Silicone Plaster** only after the fully dried reinforcement layer, typically occurring after approximately 72 hours under normal conditions.

## PRIMING

Before applying the plaster mass, the substrate should be primed with **Ecoprox Plaster Primer**. The seasoning period of the primer applied to the substrate before plaster application is approximately 24 hours. Once the applied primer on the substrate has completely dried, you can proceed with applying the plaster mass. To minimize the risk of the substrate color showing through the texture of the plaster finish, it is recommended to use a tinted primer matching the plaster color.

## APPLICATION METHOD

Before applying to the wall, the product should be thoroughly mixed with a low-speed mixer. If needed, corrective dilution is possible by adding 250 - 500 ml of water per package of plaster (25kg). Apply the plaster onto the wall to the grain thickness using a stainless steel trowel.

To achieve the proper surface texture, smooth the plaster with a plastic trowel using circular motions. Clean the tools immediately with water after application. Apply the product at temperatures between +5°C to +25°C and air humidity up to 55%. Do not apply the product during rain showers. Protect the plaster surface from drying too quickly (especially in strong wind or direct sunlight). Shield newly applied plaster from precipitation until it fully hardens. At around +20°C and 55% humidity, drying typically takes about 24 hours. Higher humidity and lower temperatures will extend drying time. Ventilate closed rooms after plastering until the distinctive odor dissipates.

Note: When tinting the plaster, ensure color consistency with the sample and across all containers. If color discrepancies are noticed, stop work and contact the supplier. Compare colors on surfaces dried for the same duration.

## USAGE

Grain / Consumption:

1.5 mm approximately 2.5 kg/m<sup>2</sup>

2.0 mm approximately 3.0 kg/m<sup>2</sup>

## HEALTH AND FIRE SAFETY GUIDELINES

VOC content: the product does not contain VOCs.

Contains biocides: mixture of CIT/MIT 3:1 (CAS 55965-84-9), EDDM (CAS: 3586-55-8), titanium dioxide (CAS 13463-67-7); terbutryn (CAS 886-50-0); zinc pyrithione (CAS 13463-41-7); OIT (CAS 26530-20-1); zinc oxide (CAS 1314-13-2).



May cause allergic reactions. In case of eye contamination, rinse with plenty of water. In case of ingestion or irritation, seek medical advice immediately, showing the label, Technical Data Sheet, and Safety Data Sheet. Keep out of reach of children.

## STORAGE

Store for 18 months from production date in the original sealed packaging, between +5°C to +25°C. Store leftover product tightly sealed for up to 3 weeks. Protect from freezing and excessive sunlight.

## ENVIRONMENTAL PROTECTION AND DISPOSAL

Do not pour liquid residues into sewage, water, or soil. Dispose of empty containers for recovery or disposal. For more information, refer to the current Safety Data Sheet available on: [www.ecoprox.eu](http://www.ecoprox.eu)

## GUARANTEE AND QUALITY COMPLAINTS

The manufacturer guarantees that the product, when used correctly and following application requirements, achieves the desired final effect. In case of any abnormalities during application, suspend work and notify the seller. For large surfaces (minimum 1000 m<sup>2</sup>), it is recommended to perform a reference application on a smaller architectural segment.

## IMPORTANT INFORMATION

The data in the Technical Data Sheet is based on laboratory research and practical experience, provided with the best knowledge of the manufacturer. Product quality is ensured by our production and quality control system. Due to diverse substrates and application conditions, each Buyer/User must verify at their own risk the suitability of **ECOPROX** products for their intended purpose, considering site-specific conditions and requirements, and adhering to technical and safety standards. We cannot control conditions under which the product is used or various factors affecting its application and utilization. We also do not assume liability for losses or damages resulting from incorrect application or improper storage, handling, and transportation of products.

As the Manufacturer, we assume the product is used by individuals with appropriate skills. The product is intended for professional use, meaning the Buyer/User has sufficient preparation to use the product while strictly observing technical and safety conditions. The Buyer/User is responsible for substrate preparation, reference application, and correct integration of the product with other companies' products. The information provided above is in good faith, based on current knowledge and practical experience. The Manufacturer reserves the right to change the content of the Technical Data Sheet without prior notice to recipients. Earlier versions of the data sheets become invalid upon release of this Technical Data Sheet. The latest versions of technical and safety data sheets are available at: [www.ecoprox.eu](http://www.ecoprox.eu)