

SILICATUS – Mineral Matte Inorganic Paint


Inorganic coating of mate mineral aspect constituted by potassium silicates, organic polymer and inorganic pigments of high solidity, which confer it special qualities and which distinguish it from the other traditional acrylic paints.

The organic component quantity is inferior to 5% in weight (in accordance with the norm DIN 18363).

Destined to porous mineral substrates, in exterior and interior paintings, with which it strongly melts through a physical-chemical process named silicification, and which provides an excellent stability regarding the atmospheric agents and pollution, with a great durability and permeability to water vapor.

PROPERTIES:

- Excellent hardening with the substrate.
- Doesn't "peel", crack nor swell because of the humidity.
- Great resistance to erosion and ageing.
- Inhibits the development of fungus and bacteria.
- Good color retention.
- Excellent permeability to water vapor.
- It is waterproofing and it doesn't attract dust particles.
- Ecological.
- Non-combustible.

TECHNICAL SPECIFICATIONS:

Density	1,440 ± 0,10 (p/ white)
pH	12±2
Color	White and catalog colors
Finishing	Flat with a matte mineral aspect
Superficial drying	± 1 hour
Recoat	6 a 8 hours
Total Silicification	±3 days
Flashpoint	Non-flammable
VOC (volatile organic compound)^{a)}	EU limit value set for this product cat. (A/a) 30 g/l (2010). This product contains a maximum of 15 g/l VOC in the glossy finishing.

CERTIFICATES AND TESTS:

Classification according to standard EN1062-1 and NP4505 (2012)		
Brilliance	Matte ($G \leq 10 \text{ \AA ng. } 85^{\circ}$)	Class G3
Permeability to water vapor	High ($sd < 0.14m$)	Class V1
Permeability to liquid water	Low ($W \leq 0.1 \text{ Kg m}^{-2} \text{ h}^{-0.5}$)	Class W3
Resistance to alkalis from hydraulic ligands	Nothing to add	
Resistance to accelerated artificial ageing (NP EN ISO 11341)	Light yellowing, doesn't present defects such as cracks, blistering or detachments.	

INTENDED USE:

Given the peculiar properties of this product and its good affinity with the structures of the construction materials, it is very used in new paintings, in interior or exterior, of mineral substrates such as: concrete, traditional cement plaster, sand and lime plaster, whitewashed surfaces, brick, fiber-cement, natural or artificial stone (porous), or non-glazed ceramics. It is very used for the restoration of old buildings, monuments and similar. Do not apply over conventional, acrylic paints, or enamels.

**SURFACE
PREPARATION:**

Surfaces have to be clean, dry, free of grease or disintegrating materials, free of efflorescence and hard.

As the hardening of this product is processed through a physical-chemical reaction between it and the substrate, it is necessary that it possesses some porosity so that the product will penetrate with easiness.

Plasters of new cements, to wait for the total cure of the cement, which lasts about 1 month.

Plasters previously painted with conventional paints, to proceed to the removal of the old coating.

Whitewashed surfaces, to wash with a pressurized water-jet cleaning gun.

Plasters contaminated with fungus and algae, after a proper cleaning, to apply disinfectant solution for their treatment.

APPLICATION :

To homogenize well the product before to apply.

To apply with a roller or a paint-brush according to the following application scheme: one coat of Silicatus Primer and to let dry. After 24 hours, to apply 2 to 3 coats of "SILICATUS – Mineral Matte Inorganic Paint", spaced out from 6 to 8 hours, without dilution.

If the surface isn't totally porous, 1 coat of paint has to be diluted at 10% with water.

PRODUCT YIELD:

Variable according to the substrate absorption. On average and per coat: 8 to 10 m²/liter.

PRECAUTIONS:

Given the product strongly alkaline nature, we recommend the use of protection gloves and glasses during the application.

In the case of a contact with the skin or the eyes, to wash with plenty of water. To keep out of reach of children.

For further information, please read our product **Safety Data Sheet**.

To properly insulate the areas close to the surface to paint to the extent that the paint "SILICATUS" splashes to the glass, natural stones, tiles, aluminum etc., originates stains. In this case to wash immediately the splashed area with water.

RECOMMENDATIONS:

Do not apply this product with room temperatures inferior to 5 ° C nor superior to 25 ° C or with adverse climatic conditions. Do not apply on too hot surfaces due to sun exposure.

**STORAGE AND
PACKAGING:**

Packages should be kept properly closed, in good environmental conditions of temperature and humidity, and spend the product on the chronological order of supply.

Use it, with preference, up to 1 year after its manufactured date.

It is supplied in packages of 5lt and 15 liters.

Note a): The VOC value referred to concerns the product ready for use, according to the technical characteristics recommended by us. NEUCE is not responsible for other mixtures made to the product. We draw the special attention of any agent along the supply chain to the responsibility they incur by not respecting the provisions of Directive 2004/42/EC.