

Kimistone ANTISMOG

Protective hydro-oleo-repellent in a watery mixture for stones and stone artefacts



Scheda Tecnica rev.01_05/2025

DESCRIPTION

Water-repellent eco-friendly protective agent made out of acrylic fluorinated copolymers in aqueous solvent and additives that guarantee a broad spectrum biocide function. It makes the hydro-oleo-repellent materials without forming films or causing chromatic changes of the substrate and prevents the development of mold and/or lichen on the surface of the substrate on which it is applied. Thanks to its formulation, the product guarantees a high stability to the thermal action and to the oxidation caused by UV rays.

ADVANTAGES

- Strong hydro-oleo-repellent effect to protect the substrates against atmospheric agents, acid rains, saltiness, to reduce the accumulation of atmospheric particulate on the external surfaces;
- very low reduction in vapor permeability;
- solvent-free product; high reversibility.

USES

Suitable for natural and artificial stones, marble and granite, tuff, carparo, Lecce stone, Istrian stone, bricks, terracotta and bricks. The product is also suitable for reduction of carbonation effects on concrete.

WORKS

Protection of stone materials (SA10)

APPLICATION



Roll or brush

The product is ready for use and is applied to dry and clean surfaces using a low pressure spray method or a natural fiber brush. The substrate must be compact, free of dust, grease and efflorescence.

Before application, eliminate and/or restore detached or flaking areas. In case of efflorescence, clean in advance with a special Kimistone cleaner.

If the product is used for the hydrophobing of walls restored with break filling or new construction, wait for the complete drying of the mortar before applying the product. The number of coats depends on the absorbency of the substrate: we always recommend at least two coats to apply wet on wet.

Avoid the stagnations of product and don't treat the surfaces in case of high temperatures, strong radiation of surfaces, frost or strong wind. Consider that cracks or macroporosities above one millimeter creates areas in which the water repellency provided by the product is reduced. In this case perform a preliminary grouting. Avoid applications of Kimistone ANTISMOG in conditions of imminent rainfall. Always carry out a preliminary test.

CONSUMPTION

0,1 - 0,6 lt/m² depending on the porosity of the substrate.

PACKAGING

- Tank 5 lt
- Tank 25 lt

STORAGE

Protect from frost. Store the product in a dry, sheltered place at temperatures of +5 °C and above. In these conditions and in unopened containers, the product remains stable for 24 months.

CHARACTERISTICS	VALUE
Physical state	Liquid
Solvent	Water
Viscosity	1 - 20 mpa·s
Density	1,01 g/cm ³
Ph	4,8
Pot-life	12 - 24 h
Suitable range of temperature of application	+5 / +30 °C

WARNING

Product for professional use. Protect the substrates which are not involved in the work.

Make sure there is no obstacle in the working area.

Do not apply when it is about to rain, or to surfaces on which mist or condensation has settled. Do not apply to walls exposed to sunlight or at temperatures above 30 °C or below +5 °C.

Before the application, eliminate and/or restore the detached or flaking areas and fill openings and cracks above 1 mm.

If there are excesses of material on the surface in some areas (with still fresh product) remove it immediately, in order to avoid the formation of more shiny areas in the points with lower porosity.

In case of contact with eyes, rinse thoroughly with water and contact a doctor.

Clean equipment with water after use before hardening starts.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety.

All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control.

The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

TECHNICAL SPECIFICATIONS

SK10 – Protection of stone materials

Protection with: Protective ecological hydro-oil repellent Kimistone ANTISMOG with biocide function by Kimia S.p.A. or similar product.

The ecological protective oil-repellent based on fluorinated copolymers and siloxanes modified in a water base will be prepared and applied scrupulously following the indications given on the technical sheets provided by the Manufacturer and must have the following characteristics:

- Solvent: water
- Viscosity: 1 - 20 mPa·s
- Density : 1,01 g/cm³
- pH: 4,8
- Pot-life at + 20°C: 12 - 24 h
- Application temperature range : +5 / +30 °C