



# Kimistone IDROREP

ST6-0221

*High-penetration water repellent siloxane protector, highly breathable, neutral and reversible.*

## DESCRIPTION

Protective, hydrophobic coating in an alcohol solution, **Kimistone IDROREP** reduces the absorption of water, the exposure in coastal/sea areas, and all deterioration processes in which water is the main catalyst. The product also prevents biodeteriorating agents such as moss and lichen from developing root; it is an extremely effective means of protection against acid rain and other pollutants, and stops porous materials from trapping dirt thereby keeping the surface clean. The product is breathable and reversible, it will not alter the appearance of the substrate, and it is not film-forming.

## ADVANTAGES

- Using low-toxic solvent; high water-repellent effect;
- high penetration capacity, low reduction of vapor permeability;
- does not form superficial films; no colour shifts after application.

## USES

Suitable for the waterproofing of delicate stone materials such as: natural stone, marble, granite, soft and compact limestone, sandstone, Lecce stone and Carparo stone. It is also suitable for the waterproofing of natural and artificial silicate materials such as: brick, concrete, plaster, roof tiles, terracotta and clay brick.

## WORKS

- Protection of stone materials (SA10)

## APPLICATION



Roll or brush application

The product is ready-to-use and should be applied to clean, dry surfaces using a low pressure spray gun or natural fibre brush. Two coats should be applied to saturation point and in accordance with the porosity of the substrate.

Treat the substrate prior to application in order to eliminate and/or restore any separating or flaking parts. Efflorescences should be removed with the appropriate Kimistone cleaner prior to application. When the product is used to make the surfaces of walls of new construction or walls that have been restored using the break-fill technique impervious to water, wait for the rendering mortar to fully dry before applying the product. Do not allow the product to build up and/or run, and protect all surfaces not to be treated.

Do not apply **Kimistone IDROREP** during mist, in the presence of condensation or when it is about to rain. Always carry out a patch test before beginning.

**Kimistone IDROREP** is not chemically reactive with rocks of igneous, sedimentary, or metamorphic origin, bricks, or cement. It is compatible with stone material and artifacts.

## CONSUMPTION

0,1 - 0,8 lt/m<sup>2</sup> 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 12 months

## TECHNICAL SPECIFICATIONS

Characteristics	Value
Physical state	Liquid
Solvent	Ethyl alcohol
Viscosity	1 - 20 mPa·s
Density	0,80 g/cm <sup>3</sup>
Pot-life at + 20°C	24 hours
Application temperature	+5 / +30 °C

### WARNING

Product for professional use. Protect the substrates that the product is not intended for. Please remove any objects from the work area.

Do not apply when it is about to rain, or to surfaces on which mist or condensation has settled. Do not apply at temperatures under +5 °C or above +30°C. Do not apply to walls exposed to sunlight. Do not apply to painted plasterwork and to non-absorbent substrates.

Depending on the substrate before applying the product, remove and/or restore all areas that are separating or flaking and fill any openings or cracks that are wider/ deeper than 1 mm.

Any excess product should be removed immediately (before it dries) to prevent surface sheen in less porous areas.

Operators should be equipped with gloves, masks, safety glasses and any other items of protection prescribed in safety regulations for the use of solvents. Do not smoke during use. In case of eye contact, flush eyes with plenty of water and consult a doctor. Equipment must be cleaned with **Solvente EPOX** after use.

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.

### SK10 – Protection of stone materials

Protection with: Protective, hydrophobic coating in an alcohol solution Kimistone IDROREP with biocide function by Kimia S.p.A. or similar product.

The water-repellent, one-component, siloxane-based protective 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: Ethyl alcohol
- Viscosity: 1 - 20 mPa·s
- Density : 0,80 g/cm<sup>3</sup>
- Pot-life at + 20°C: 24 h