

Description

Protective, consolidant product based on acrylate siloxane copolymers

Advantages

- Powerful water-repellent
- Consolidant action
- Deep penetrating product thanks to the type of solvent used
- Contains low toxicity solvent
- Will not alter the original colour of the support after application
- Non fi lm-forming
- Minor reduction of water vapour permeability

The product protects materials effectively by limiting water absorption, and also improves surface cohesion of the stone thanks to the additional consolidation effect. This makes the stone materials more resistant to frost, to exposure in coastal/sea areas, and to all deterioration processes in which water is the main catalyst. The product also prevents biodeteriorating agents such as moss and lichen from taking 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 support, and it is not fi lm-forming. The product will make stone surfaces considerably water-repellent as well as offering some consolidation as well. The protective function is given by the silicon compounds which significantly alter the angle of contact in the support, giving the stone surfaces a marked degree of water-repellency as a result. The special formulation also provides a small degree of consolidation which can counter any surface dusting.

**Uses**

Suitable for medium intensity consolidation and to protect the surface of both silicate matrix and carbonate-matrix stone materials, such as: sandstone, clay brick, brick, soft or compact limestone, marble, plaster, terracotta.

Application

Kimistone K10 is ready-to-use and should be applied to clean, dry surfaces with a low-pressure spray gun, brush or by immersion, making sure there is no excessive build up of the product. Efflorescences should be removed with the appropriate Kimistone cleaner prior to application. When treating walls of new construction, or walls that have been restored using the break-fill technique, wait for the rendering mortar to dry fully before applying the product. Apply the product until the surface is fully saturated. The double protective/consolidant action is exerted gradually over the next 7 days at a temperature of +20 °C. Always carry out a patch test before beginning.

Dilution ratio

No dilution.

Characteristics	Value
Physical state	Liquid
Solvent	Alcool etilico
Viscosity	1 - 20 mPa·s
Density	0,81 g/cm ³
Pot-life a + 20°C	24 h
Application temperature	+5 / +30 °C

Packaging

Plastic, 5-litre cans, 480 l pallets (96x5).
Plastic, 25-litre cans, 600 l pallets (24x25).

Coverage

0,2 - 0,8 l/m² depending on the porosity of the support.

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.

Warning

Product for professional use. Protect all supports that are not to be treated. Keep the area clear of vehicles and unauthorised personnel. Do not apply when it is about to rain or when it is misty, or to surfaces that are damp with condensation or dew. Do not apply to surfaces exposed to sunlight or at temperatures above 30 °C or below +5 °C. Do not apply to painted plasterwork and to non-absorbent substrates. Depending on the support, 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. Equipment must be cleaned with Solvente EPOX after use. In case of eye contact, flush eyes with plenty of water and consult a doctor. The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product. It is the customer's responsibility to check that this data sheet is still effective and has not been replaced with a more recent version, and that the product is suitable for the intended use.

