



## Kimistone DEFENDER

ST5-0319

*Neutral water-based, reversible, vapour-permable, anti-graffiti sacrificial protective product*

### DESCRIPTION

Protective anti-graffiti water-based treatment made out of a selected mixture of organic silicon compounds and microcrystalline waxes in aqueous solution that prevents vandal varnishes from penetrating deep into the material, so as to make it possible to remove graffiti with a simple hot water jet or steam under pressure (max + 80-90 ° C). The product is solvent-free, it does not create surface films, it does not alter the natural color of the substrates, it resists UV rays. It is breathable, water-repellent, neutral and totally reversible.

### ADVANTAGES

- **Performing:** good water repellent effect; high stability to UV rays; absence of color changes after application.
- **Versatile:** effective on many types of stone materials.
- **Sustainable:** solvent-free ecological product; removable with water.

### USES

Suitable for delicate stone materials such as: natural stones, marble, travertine, granite, soft limestone, compact limestone, sandstone. Ideal also for the protection of bricks, concrete, stoneware, clinker, plasters.

For application on non-stone substrates, contact the technical dpt.

### WORKS

- Cleaning and protection of stone materials against stains caused by paints and felt-tip pens (**SA36**)

### APPLICATION



Roll or brush application

The product is ready for use and can be 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 applying the product, treat the substrate in such a way as to eliminate and/or restore the detached or inconsistent areas.

In case of efflorescence, clean in advance with a special Kimistone cleaner.

If the product is used for the treatment of walls restored with break-fill 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 creating stagnations of product and treat surfaces in case of high temperatures, strong radiation of surfaces, frost or strong wind.

Consider that the presence of cracks or porosity bigger than one millimeter creates areas in which the effectiveness of the product is reduced. If possible, make a preliminary filling of the cracks bigger than one millimeter. Always carry out a preliminary test on site.

### CONSUMPTION

0,1-0,3 lt/m<sup>2</sup> depending on the porosity and the surface roughness of the substrate.

### PACKAGING

- Tank 5 lt – box 4 x 5 lt  
Pallet 96x5 lt (24 boxes) – 480 lt.
- Tank 25 lt.  
Pallet 24x25 lt – 600 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.

Characteristics	Value
Physical state	Liquid
Solvent	Water
Viscosity	1 - 20 mPa·s
Density	0,99 g/cm <sup>3</sup>
pH	7
Pot-life	72 hours

## WARNINGS

Product intended for professional use. Protect the substrates to which the product is not intended. Be sure there aren't other materials in the working area. Do not apply in case of imminent rain or fog or on surfaces wet with condensation or dew. Do not apply the product on sunny surfaces or with temperatures higher than + 30 °C or lower than + 5 °C.

Always carry out preliminary tests.

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

The equipment used for the preparation and installation of the product must be cleaned with water before hardening.

The technical characteristics and application methods indicated by us in this bulletin are based on our current knowledge and experience, but they are not a guarantee of the final result of the applied product.

The customer has to verify that the product is suitable for the intended use and the technical bulletin is valid and not replaced by a more recent update.

## TECHNICAL SPECIFICATIONS

### **SK36** -Cleaning and protection of stone materials against stains caused by paints and felt-tip pens

Cleaning of stone materials against stains caused by paints and felt-tip pens with a ready to use ecological cleaner Kimistone GRAFIX MOOVE by Kimia S.p.A. or similar product. The consumption of material will be about 0.2 l / sqm. Let it dry for 20-30 minutes after the application then brush it vigorously and rinse with pressurized water. In the presence of stratified, strongly penetrated or old dirt, extend the waiting time before brushing or repeat the procedure several times.

On the clean and dry substrate, apply by brush or with a low pressure regulator the ecological anti-graffiti water-based anti-graffiti product Kimistone DEFENDER by Kimia S.p.A. or similar product. The consumption will be around 0.3 lt/sqm.

The neutral, breathable and reversible, chemically inert antigraffiti sacrificial protective coat, suitable for use on stones and artefacts of historical and artistic interest, will be prepared and applied scrupulously following the indications given on the technical data sheets provided by the Manufacturer. following features:

- Solvent: Water;
- Viscosity: 1 - 20 mPa · s;
- Density: 0.99 g / cm<sup>3</sup>;
- pH: 7;
- Pot-life: 72 hours.