



ELEMENTS
QUÍMICA APLICADA

e⁵ ELEMENTGUARD

**Water repellent with or without color for
facades and silicon based solvent driven
exteriors**

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Description

e⁵ ELEMENTGUARD is a water repellent. It is pigmented with a solvent driven silicon base. It offers great water-repellency, avoiding water penetration in porous or exterior surfaces.

Pigmented with a preferred chosen color, it improves the final appearance of a somewhat deteriorated surface. e⁵ ELEMENTGUARD is also produced without color for application on surfaces that require maintaining their original appearance.

Benefits

It does not require dilution with any substance, as it is a mono component product. Its application is simple and it is packaged ready to use. It stops capillary water absorption on walls made with absorbent material such as concrete. It does not form films and it rejects water due to its surface tension, allowing the element to breathe, eliminating inner humidity due to condensation. It protects surfaces by not allowing mold formation. It does not allow efflorescence or the adherence of dust or dirt.

With all these benefits, maintenance costs are reduced. The useful life of materials and elements, where it is applied, is increased. It can be pigmented.

Principal applications

e⁵ ELEMENTGUARD can be used for the following elements:

- Mineral based mortars or concretes for vertical or horizontal surfaces
- Fibercement or prefab elements
- Marine decks and bridges

- Calcareous rocks, marble, other petrous materials and even ceramic shingles without enamel

Technical information

Physical properties	
Appearance	Pigmented or colorless liquid
Density (g/mL)	0.700 – 0.800 kg/L at 20 °C
Chemical base	Solvent driven silicone resins
Flash point	43 °C

Presentation

19 L pails

200 L drums

If your project's volume requires it, delivery can be made in bulk.

Useful life: one year, from date of manufacture, in its original container

Keep it well closed, in a dry and cool place, without exposure to direct sunlight and in the range of 5 °C to 30 °C.

Recommendations

Field tests are recommended to determine amount required per square meter to achieve saturation. The volume required depends on the substrate, its porosity and absorption.

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The substrate must be sound and preferably dry, clean and free of dust, paint, oil, stains, efflorescence, mortar and/or barnish. If the walls are painted, make sure the paint is well adhered. Prepare surface with a stiff bristle brush and then air blast to remove any residues.

Seal all cracks, with widths greater than 0.3 mm, by applying e⁵ **FLEXY JOINT** and allowing it to cure before applying e⁵ **ELEMENTGUARD**.

No acid, alkali or surfactant cleaners should be used in cleaning the concrete surface. If the concrete is new, wait 28 days before cleaning.

The product is designed to be applied with an air gun to allow a fine stream that will favor penetration. However, it can be applied with a roller or brush, avoiding dribbling of the product. It must be applied from the top down when the element is vertical, saturating the surface, by applying across. Apply a second hand, once the first has dried. This will vary according to weather conditions.

Care and cautions

e⁵ **ELEMENTGUARD** is a flammable product, hence adequate ventilation must be provided in the application area. Do not smoke or apply the product near flames, sparks or heat sources.

The product must be tightly closed once the container has been opened.

Yield

The following information can be used as a reference for yield. This will depend on the following elements, although it is important to perform preliminary tests for greater certainty.

Mortars and cement bricks: approximately 0.500 to 1 L per m², for 2 hand applications.

Concrete or porous surfaces: approx. 0.500 to 0.700 L/m², for 2 hand applications.

It is necessary to apply at least two hands.

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