

# Technical leaflet

HEYEN Facade-Impregnation

Page 1

## Product description

**Basis** HEYEN Facade Impregnation is a water repellent, vapour permeable façade hydrophobization based on a dissolved oligomeric alkylalkoxysiloxane. The product penetrates deeply into the substrate and is highly alkali-resistant (can be applied on fresh surfaces).

**Features** HEYEN Facade Impregnation can be used on slightly humid surfaces as it is frost de-icing and salt resistant. The product dries colorless without becoming tacky and does not turn yellow. It forms no visible film and is permeable to water vapour diffusion, thus allows even humid surfaces to dry. HEYEN Facade Impregnation stops the humidity penetrating the building material and prevents the resulting damage such as: algae, mould and moss growth, salt and lime efflorescence, frost damage, rainwater stains and dirt as well as a deterioration of the heat insulation value.

**Application** HEYEN Facade Impregnation is suitable for the hydrophobization of absorbent, porous mineral building materials such as concrete, clinker, lime sandstone, gas concrete stones, bricks, mortars, plasters, natural and artificial stones on mineral basis.

## Processing

**Surface** The surface has to be clean, solid and free of cracks > 0.2 mm. The area to be impregnated may be slightly humid but should not have damp areas i.e. should appear dry.

**Process** HEYEN Facade Impregnation is applied in two steps immediately following each other either by evenly brushing or spraying (flowing) until the surface becomes saturated. The second layer should be applied when the product has been absorbed and the area does no longer look shiny. During the impregnation the building material should not be exposed to direct sunlight. Areas that are not meant to be impregnated have to be covered. During the impregnation and 4 hours afterwards the area must not be exposed to rain. When working with HEYEN Facade Impregnation wear protective glasses (face protection during spraying).

**Coverage** Depending on the absorbency of the surface the consumption is between 0.2 and 1.0 Ltr./m<sup>2</sup>. Approx. values:

Approx. values:	Concrete:	0.2 – 0.4 Ltr./m <sup>2</sup>
	Plaster:	0.5 – 1.0 Ltr./m <sup>2</sup>
	Bricks:	0.4 – 0.7 Ltr./m <sup>2</sup>
	Gas concrete:	0.5 – 0.8 Ltr./m <sup>2</sup>
	Lime sandstone:	0.4 – 0.7 Ltr./m <sup>2</sup>

**Temperature** From +5°C to 25°C

**Tools** Brush, spraying device

**Cleaning** clean tools with water immediately after the use, later mechanically

**Clothing** safety goggles, rubber gloves, work clothes

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## Technical Data

***Frost- and de-icing salt resistance*** Available

***Consistency*** Liquid

***Density*** 0.8g/cm<sup>3</sup>

***Viscosity :*** < 30 mPa s

## Commercial information

***Packaging*** 10 kg canister

***Reference*** contract partner, regional representation office or ex works

***Shelf life*** product can last up to 2 years if stored in its original truss, frozen material must be thawed at room temperature, this way there will be no loss of quality.

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