

IMPRES BETON NATURAL

Liquid consolidating product for absorbent stone

Description: Liquid product based on ethyl silicate in solvent for the restoration and consolidation of absorbent stone elements containing silicon.

Advantages:

- Complete drying without formation of viscous substances.
- Restores the existing surface without altering the colour.
- Colourless: Invisible impregnation.
- Does not form surface films, good water vapour permeability
- Easy- and safe-to-use single-component product.
- High penetration into the stone material.
- Excellent stability to light (UV rays), resistant to weathering
- Formation of reaction by-products which are not harmful to the treated surface.

Applications: Consolidation and restoration of absorbent stone elements containing silicon, such as sandstone, tuff, trachyte, terracotta, plaster, marble, brick and damaged plaster.

Surface preparation:

- Before applying, make sure that the surfaces are free from dirt, dry and perfectly degreased from previously applied substances such as waxes or the like. Avoid application if bad weather is forecast, as it could negatively affect the proper drying of the product.
- It is recommended that temperature of the material should be between +5 and +30 °C.
- It is not recommended to use acids or alkalis or water containing salts for cleaning which could cause efflorescence.

Application:

- The product is ready to use.
- Apply by saturation, brush or spray (low pressure: maximum 0.5 bar).
- Apply in several coats or several spray cycles until the material to be treated is completely saturated in order to reach the sound core of the stone.
- One application cycle is usually sufficient; sometimes, it is necessary to repeat the treatment after 2-3 weeks.
- Impre Beton Natural completes its reaction after about four weeks at an ambient temperature of 20 °C with a relative humidity of 40-50%.
- Once consolidation is complete, it is essential to proceed with treatment with Imperdry, a water repellent based on hydrophobic and waterproofing resins in organic solvents to ensure high penetration without reducing the permeability of the surface to water vapour.
- Protect from the sun's rays during application.
- The tools can be cleaned with the common synthetic or nitro thinners.

Consumption: -It can vary from 0.3 to 1.5 L/m² according to absorption by the material.

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- Warnings:**
- Do not use in non-ventilated premises.
 - Due to the heterogeneity of existing stone materials, it is essential to carry out preliminary tests on samples of the stone material to be treated in order to check the degree of consolidation and the quantity of material to be used.
 - Store in tightly sealed original packaging.
 - Flammable product.
 - Do not expose to heat sources, open flames or other sources of ignition.
 - Comply with the information on the safety data sheet.
 - Consult the information at the bottom of this document.

Packaging: 1000 kg IBC.
220 kg drums.

Technical data:

MAIN CHARACTERISTICS		
Appearance		Liquid
Colour		Colourless
Shelf life in closed original packaging		24 months
Density (at 20 °C)	DIN 51757	(1.05-1.07) kg/L
Solid content (m/m at 130 °C)	EN ISO 3251	(67-73)%
Viscosity (Flow time at 25 °C, DIN/4 mm cup)	EN ISO 2431	10 - 14 seconds
Closed-cup flash point	ASTM D3828-87	>33 °C
Ignition temperature	DIN 51794	+235 °C

The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.

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