

Baysilone* Impregnating Agent LO-N

Product Description

Solvent-free higher alkylated alkoxy siloxane

Application Fields

Baysilone Impregnating Agent LO-N is used for the colourless, water repellent impregnation of absorbent mineral building materials. The product's high alkali resistance makes it suitable for application to highly alkaline building materials such as fresh concrete, plaster, calcium silicate brick, fibrous cement, expanded concrete. It is also effective as water-repellent treatment for all other porous building materials, e.g. brick, natural and cast stone, silicate paints. Baysilone Impregnating Agent LO-N can be used as primer for silicone resin paints, emulsion paints and synthetic resin plaster. The low molecular weight of the form supplied enables the product to penetrate deeply into the building material. It can even be applied to slightly damp materials.

Typical Product Data

Active substance content	100 % w/w
Viscosity (DIN 53015, at 23 ° C)	10 - 70 mPa· s
Density (DIN 51757, at 20 ° C)	approx. 1.1 g/ml
Colour value (DIN 6162)	max. 4

Containers

1.000 kg, 200 kg, 50 kg drums

Instructions for Use

In the form supplied Baysilone Impregnating Agent LO-N is unsuitable for use as a water repellent. It has to be thinned. Suitable solvents are anhydrous aliphatic or aromatic hydrocarbons and alcohols.

The solubility and stability of LO-N in aromatic free solvents such as: Exxsol D 30, D 40, D 60, Isopar G, L (Esso Chemie), Shellsol T (Shell Chemie), EC-Solvent 160/200 (EC Erdö lchemie). By using one of these formulations with mild odour are possible.

We recommend an active siloxane content of approx. 6 % w/w. in the final impregnating solution which can be achieved by thinning as follows:

1 part w/w	LO-N
17 parts w/w	solvent

which roughly corresponds to

1 part by vol.	LO-N
22 parts by vol.	solvent

depending on the density of the solvent used.

The ready-to-use impregnating agent can be applied in one or more coats to the dry and absorbent building material. It should be applied generously and evenly and a second coat should be applied while the first is still wet. Large surfaces should be treated by "flooding" (spraying and allowing the solution of impregnating agent to run down the surface like a curtain).

It is also possible to apply the product by brushing or dipping. Adjacent surfaces such as doors and windows, non-absorbent surfaces, etc. should be covered to avoid contact with the impregnation solution.

The quantity of impregnating agent required depends on the absorptivity of the building material. In practice, it can vary between 0.1 and 1 l/m². 1 l LO-N (thinned for use) is sufficient to treat:

fibrous cement	10.0 - 15.0 m ²
concrete	3.0 - 5.0 m ²
calcium silicate brick	2.0 - 3.0 m ²
plaster	1.5 - 2.5 m ²
brickwork	1.5 - 2.5 m ²
expanded concrete	1.0 m ²

Preliminary trials are recommended to determine the suitability and effect of the impregnating solution and the quantities required.

Handling and Safety

Because of the solvents used please regard the corresponding safety regulations.

Further information on product safety and handling is given in the Safety Data Sheet.

Storage and Transport

Correctly stored in its original unopened container at 25°C LO-N has a shelf life of 720 days from the date of manufacturing.

Please see also use-before/expiry date on product label and certificate.

The product reacts with moisture and should therefore be stored in tightly sealed containers.



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	• RTV Products-Elastomers	T 800.332.3390	F 304.746.1623
	• Sealants and Adhesives & Construction	T 877.943.7325	F 304.746.1654
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