

# Satex SL

## Low molecular alkyl alkoxy siloxane base hydrophobic agent

### Properties

Reactive, oligomer siloxane solution for water repelling impregnation of mineral building materials. The product was especially developed as a water repelling treatment for natural stone and limestone in particular (e.g. shell limestone). Because of its low molecular structure in the packaged state, Satex SL has very good penetration capacity and reacts chemically in the building material in the presence of humidity to become a water repelling, UV light proof and weather resistant material polysiloxane. After application, the effective ingredients are deposited on the capillary and pore walls as a macromolecular layer that does not essentially influence water vapour diffusion capacity. Satex SL reduces the absorption of water and pollutants which are found in the form of water soluble acidic atmospheric gases (SO<sub>2</sub>, NO<sub>x</sub>). Infestation of natural stone surfaces with micro organisms is held in check by the impregnation and frost / deicing salt resistance is improved.

### Working instructions

Apply Satex SL undiluted with spray diffuser up to the saturation of the substrate. Smaller surfaces are treated by painting with a soft white wash brush or a flat bristle brush. For high absorbant surfaces two or even three application is required.

### Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowledge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earlier technical data on this product.

### Substrate

The substrate must be in clean condition. Structural defects such as cracks, defective connections and the causes of rising damp must be corrected. It must be ensured that water and salts dissolved in the water cannot penetrate behind the hydrophobized zone since this can lead to frost damage, spalling and salt burst. A hydrophobizing treatment fixes the state of the substrate as it is at the time of impregnation. Before hydrophobic impregnation is carried out, the capillaries and pores of the building material to be treated.

### Area of applications

Satex SL is effective over a wide range, especially as an impregnation agent for natural stone and lime based natural stone in particular.

### Consumption

Lime stone - 0,5 - 0,92 / m<sup>2</sup>  
 Naturel stone - 0,3 - 0,72 / m<sup>2</sup>

### Delivery and storage

Satex SL is delivered in 5l, 17l pails. Can be stored dry and cool (not above +30C°) and in original sealed packing containers for at least 12 months

### Product Data

|                       |                                      |
|-----------------------|--------------------------------------|
| Base                  | siloxane                             |
| Carrier               | aliphatic hydrocarbons               |
| Flash point           | approx. 40°C                         |
| Density               | approx. 0.79 g/cm <sup>3</sup>       |
| Viscosity             | 44 sec. in a DIN 2 cup; 10 sec. in a |
| Solvent               | yes                                  |
| Appearance            | clear liquid                         |
| Color                 | colorless                            |
| Water absorption      | very low                             |
| UV stability          | good                                 |
| Resistance to weather | highly pronounced                    |
| Alkali resistance     | good                                 |
| Tendency to soil      | little                               |