

## SILRES® BS 38

### MASONRY WATER REPELLENTS

#### Product description

SILRES® BS 38 is a solvent-based mixture of silane, siloxane and fluoropolymer (< C8). In diluted form, it serves to render inorganic substrates such as mineral construction materials water-repellent and oil-repellent. Unlike conventional impregnating agents, which display only a hydrophobic, i. e. water-repellent, effect, SILRES® BS 38 also exhibits an oleophobic, i. e. oil-repellent, effect. The pores of the substrate remain open, the water vapour diffusion is hardly affected, if at all. Oil, grease and paint, etc. can be more easily removed from surfaces that have been treated with SILRES® BS 38.

#### Application

- Treatment of facades of natural or synthetic stone, concrete, or fibrous cement in order to allow easier removal of dirt, grease, graffiti, posters, etc. from monuments, exterior and interior walls.
- Water, oil and dirt repellent treatment of low-porosity natural stone, e. g. marble, travertine and granite.
- Treatment of floors of natural or synthetic stone, or unglazed ceramic tiles for easy care.
- Treatment of window sills and table tops of natural or synthetic stone, or fibrous cement to avoid staining.

#### Processing

SILRES® BS 38 should be favourably diluted in a ratio 1 : 5 to 1 : 10 (parts by weight). Suitable diluents are white spirit (e. g. White Spirit 130/175 or Shellsol T) and isoparaffins.

A long storing period SILRES® BS 38 can lead to a

deposit. In this case it should be mixed up again.

The substrate to be treated should be air dry and absorbent. The diluted solution should be liberally brushed onto substrate. The hydrophobic and oleophobic effects develop within 24 - 48 hours.

Because of possible discoloration, it is advisable to carry out tests area. This can also be used to check the efficiency of the products. Substrates treated with SILRES® BS 38 should be cleaned at once after contamination with oil, grease or paint because paint in particular is very difficult to dissolve once the binder has fully hardened.

After cleaning and drying, it is necessary to repeat treatment with SILRES® BS 38.

#### Storage

SILRES® BS 38 forms a gel at storage temperatures under +8 °C. Storing in a heated warehouse for several hours leads to liquefaction.

The "Best use before end" date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

#### Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

**Product data**

Typical general characteristics	Inspection Method	Value
Appearance		yellowish
Silane/siloxane/polymer content		46 %
Density at 25 °C, at 1013 hPa	DIN 51757	0,88 g/cm <sup>3</sup>
Flash point	ISO 3679	43 °C

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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