

SILRES® BS 39

MASONRY WATER REPELLENTS

Product description

SILRES® BS 39 is a water-thinnable mixture of silane, siloxane and synthetic resins. It is used in diluted form to impart both water repellency and oil repellency to inorganic substrates such as mineral construction materials. In this respect, it differs from conventional (mono-functional) water-repellents. The pores of the substrate remain open, the water vapor diffusion is hardly affected, if at all. Oil, grease, paint, etc. are easier to remove from surfaces that have been treated with SILRES® BS 39.

Application

- 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.
- 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.

Processing

Dilute SILRES® BS 39 in a ratio of 1:3 to 1:6 (parts by weight) with tap water. Diluted solutions that have been stored for a long period are likely to show signs of slight creaming and should be shaken up thoroughly before use.

The surface to be treated should be air dry and absorbent. Apply the diluted solution liberally by brush or spray. The hydrophobic and oleophobic effects start

to develop within 24 hours and are complete within 1 week.

Because of possible discoloration, it is advisable to carry out tests on a test area. This is also an opportunity for checking the product's efficacy. Surfaces treated with SILRES® BS 39 should be cleaned at once after contaminations with oil, grease or paint because paint in particular is very difficult to dissolve once the binder has fully hardened. Surfaces that have been cleaned and dried might need re-treating with SILRES® BS 39.

Storage

The containers must be protected against sunlight. 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.

SILRES® BS 39 contains minor amounts of a preservative that protects the emulsion against microbial contamination and fungal attack. The quality of the water used may make it necessary to add a biocide after dilution; in principle, nearly any waterbased preservative may be used.

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		milky, white to yellowish
Silane/siloxane/polymer content		approx. 25 wt. %
Water		approx. 75 wt. %
Density at 20 °C	DIN 51757	1,0109 g/cm ³

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

The data presented in this medium 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 medium 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 information provided by us does 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 product 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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For technical, quality, or product safety questions, please contact:

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München, Germany
info.silicones@wacker.com

www.wacker.com