

# SILRES® BS 280



## Silane-Siloxane mixtures

SILRES® BS 280 is a solvent-free silicone concentrate based on silane/siloxane that is dilutable with organic solvents. Diluted solutions of SILRES® BS 280 are highquality water repellents for impregnating mineral building materials, especially silicate free natural stones like limestone or gypsum. SILRES® BS 280 develops its waterrepellent effect after application to construction materials as a result of a reaction with atmospheric humidity.

## Properties

- good penetration into building materials
- extremely effective with most natural stone
- good alkali resistance (alkaline mortar joints)

# Technical data

## General Characteristics

Property	Condition	Value	Method
Silane-/Siloxane content	-	approx. 100 wt. %	-
Density	25 °C	1.041 - 1.06 g/cm <sup>3</sup>	DIN 12791
Viscosity, dynamic	25 °C	7 - 9 mPa·s	DIN 51562
Appearance clear to hazy, colorless	-	clear to hazy, colorless	-
Flash point	-	49 °C	not specified
Ignition temperature	-	260 °C	DIN 51794

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Applications

- Hydrophobic Impregnation
- Impregnation of New and Existing Buildings

## Application details

SILRES® BS 280 is particularly recommended for the conservation of monuments and the restoration of natural stone buildings thanks to its all-round effectiveness and excellent alkali resistance. Good results are also achieved when SILRES® BS 280 is used to treat mineral plasters, bricks, sand-lime bricks, aerated concrete and mineral paint.

### Dilution

SILRES® BS 280 should be diluted in a ratio of 1:11 (parts by weight).

SILRES® BS 280 can be diluted with aliphatic and aromatic hydrocarbons or with anhydrous alcohol. We would especially recommend the use of petroleum hydrocarbons such as white spirit. Alcohols should be used only in special cases, e. g. where contact with materials affected by solvents, such as polystyrene, bitumen etc. cannot be avoided during impregnation.

## Packaging and storage

### Storage

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>.

## QR Code SILRES® BS 280



### For technical, quality or product safety questions, please contact:

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