

SILRES® BS 17



Silane-Siloxane mixtures

SILRES® BS 17 is a solventless concentrate based on silanes and siloxanes. SILRES® BS 17 is used in water diluted form for the hydrophobation of in plant produced silicate based mineral construction materials.

Properties

- water-free and solventless silicone concentrate
- spontaneously dilute with drinking water, i. e. without the need for sophisticated mixing devices
- the water diluted product has to be used up within 1 month after production of the dilution

Advantages over ready-to-use products:

- lower packaging costs
- lower storage and transport costs

Technical data

General Characteristics

Property	Condition	Value	Method
Silane-/Siloxane content	-	approx. 100 wt. %	-
Density	25 °C	0.900 - 1.000 g/cm ³	DIN 51757
Viscosity, dynamic	25 °C	1 - 10 mPa·s	DIN 51562
Appearance	-	clear	-
Color	-	yellowish to red-brown	-
Flash point	-	25 °C	DIN 53213

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

- Construction Materials
- Hydrophobic Impregnation
- Pre-Impregnation of Construction Materials

Application details

Diluted with water SILRES® BS 17 is used for impregnating the surface of in-plant produced silicate based building materials. A sufficient and homogenous application e.g. dipping is necessary for achieving a good hydrophobic protection. Especially SILRES® BS 17 is used for the hydrophobation of clay based products immediately after production such as: roof tiles, facing bricks, floor tiles, flower pots. In order to avoid migration of fractions of the active substance onto untreated materials, equipment or parts of the production building via the gas phase, the entire production unit should be equipped with a local exhaust ventilation from the application of the impregnation agent onwards. The application of the impregnation agent in a separate room, remote from production and storage of unprocessed construction materials, is recommended.

Diluted with water SILRES® BS 17 has to be used up within one month after production of the dilution. After storing for more than 24 hours, the emulsion should be stirred shortly in order to create a consistent mix.

Dilution

Drinking water is suitable for dilution of SILRES® BS 17. When mixing the SILRES® BS 17 into the water, the mixture is stirred briefly. The dilution cause to finely divided opalescent microemulsions. In general, good hydrophobic results are achieved when SILRES® BS 17 is diluted 1:50 to 1:100. The application by decreasing active content should be regularly adjusted to the required concentration. Preliminary tests are always required for the determination of the correct dilution ratio.

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 17



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

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