

SILRES[®] BS 97



Silicone Resin Emulsions

SILRES[®] BS 97 is a water-dilutable, solventless emulsion based on an alkyl silicone resin.

Technical data

General Characteristics

Property	Condition	Value	Method
Active substance	-	50.0 wt. %	-
Appearance	-	white, milky liquid	-
Density	23 °C	approx. 1 g/cm ³	DIN 51757
Ignition temperature	-	430 °C	DIN 51794
Viscosity, dynamic	23 °C	approx. 35 mPa·s	Brookfield

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

- Insulation Materials

Application details

SILRES® BS 97 is diluted with water in a ratio of 1:10 to 1:19 and applied by spraying. Best substrate temperatures range from 50 to 200°C. For the core impregnation of insulating materials SILRES® BS 97 is usually added to the binder system, followed by a short-term heat treatment of 100 - 180°C. Mineral fiber boards are best impregnated by dipping and then drying at approx. 100°C. The optimum amount to be added must be established in preliminary trials. If the application has been interrupted for long periods, the spraying nozzles should be cleaned with water or aqueous caustic soda. SILRES® BS 97 is especially suited for the water-repellent treatment of expanded mineral materials (vermiculites, perlites, clay) and of fibrous insulating materials based on minerals or plants (coconut fibers, glass, basalt, slags).

Packaging and storage

Storage

SILRES® BS 97 must be stored in the tightly closed original container. Stir well before taking emulsion from drums. 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 97



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

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com

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.