

SILRES[®] BS 1052



Silicone Fluid Emulsions

SILRES[®] BS 1052 is an aqueous and water-dilutable emulsion of a medium-viscosity polydimethylsiloxane. It is used to impart water repellency to resin-bound or unbound glass wool (fiberglass) and stone wool.



Properties

SILRES[®] BS 1052 shows high thermal stability. Due to its viscosity in the medium range, it is easily pumpable and dilutable despite its high solid content.

Technical data

General Characteristics

Property	Condition	Value	Method
pH	-	7 - 9	-
Solid content	-	approx. 65 wt. %	-
Appearance	-	white, milky liquid	-
Viscosity, dynamic	25 °C	500 - 2500 mPa·s	-

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 1052 has to be stirred well before use. Moderate stirring equipment running at medium speed is sufficient – high shear forces and air entrainment are not necessary and must be avoided.

SILRES® BS 1052 is applied via spraying equipment after the fiberizer. For this purpose it can be diluted with water as required. If the glass or stone wool substrate is a resin-bound material, after a compatibility test, SILRES® BS 1052 is mixed with the resin mixture and sprayed onto the wool. It can also be sprayed separately without mixing using a second spraying unit.

The addition ratio, based on the mass of glass or stone fibers, varies between 0.05 and 0.2 weight % for stone wool, and between 0.1 and 0.3 weight % for glass wool (always based on the weight of the dried final product).

The quantity of SILRES® BS 1052 to be applied also depends on the desired water repellency of the end product. Individual tests must always be conducted in order to define the necessary quantities.

For blowing wool, overdosing the silicone emulsion can change the consistency of the wool, which may cause injector blockages during application.

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 1052



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

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