

SILRES[®] BS 5140



Silicone Fluid Emulsions

SILRES[®] BS 5140 is an aqueous water-dilutable emulsion of an aminofunctional polydimethylsiloxane. It is used to impart water repellency to mineral insulation materials, especially binder-free mineral wool, so called Blowing Wool.



Properties

Beside the hydrophobation of binder less mineral wool, so called Blowing Wool, SILRES[®] BS 5140 can also be used at lower temperatures or for post-treatment of mineral wool.

Technical data

General Characteristics

Property	Condition	Value	Method
pH	-	approx. 5 - 8	-
Active content	-	approx. 50 %	-
Appearance	-	white, milky liquid	-

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

After dilution with water, SILRES® BS 5140 should be applied to the freshly formed mineral fibres. The product can be diluted with any quantity of water. For the hydrophobation of mineral wool in terms of a post-treatment, the product should be directly applied to the mineral wool, e.g. by spraying.

The addition ratio based on the mineral fiber mass should be between 0,05 and 0,3 weight % (based on the weight of the dried final product). The quantity of SILRES® BS 5140 to be applied also depends on the desired water repellency of the final product; a general recommendation cannot be given. Individual tests must always be conducted in order to define the necessary quantities.

Packaging and storage

Storage

SILRES® BS 5140 must be stored in the tightly closed original container. 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 5140



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

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