

SILRES[®] BS 1703 SQ



Silicone Resins

SILRES[®] BS 1703 SQ is intended primarily for in-plant water-repellent treatment of fiber-reinforced cement-products, like e. g. fiber-cement board. It significantly reduces the capillary water absorption of the construction materials after setting and reaching equilibrium moisture.

SILRES[®] BS 1703 SQ exhibits a higher flash point and increased storage stability compared to SILRES[®] BS 1703.

SILRES[®] BS 1703 SQ is a clear to slightly opalescence pure siloxane with colorless to slightly yellowish appearance. A slight yellowish discoloration may seem more pronounced in IBC, but does not influence the excellent performance of the product.

Properties

SILRES[®] BS 1703 SQ is a liquid but waterless oligomeric siloxane of a relatively low viscosity. It is not water-thinable, but intended to be used in water-based construction material processes involving high-shear mixer units, especially for manufacturing fiber-reinforced cement-products, like e.g. fiber-cement board. As an admix additive for the integral water-repellent treatment, it is usually added undiluted into the mixer.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance and color	-	clear to slightly opalescence, colorless to slightly yellowish	-
Viscosity, kinematic	-	150 - 300 mm ² /s	DIN 51562-1
Content	-	100 %	-

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

- Fiber Cement Boards

Application details

SILRES® BS 1703 SQ is added undiluted into the mixer, usually at dosage levels ranging from 0.1 to 0.3 % by weight based on the overall solids level. For the unimpaired product performance, proper mixing into the cement-based slurry is required. The product should be added to the slurry after all solids, especially cement.

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 1703 SQ



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

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