

Technical Data Sheet

STRUKSILON E 60**Composition**

Aqueous non-ionic emulsion of a low-viscosity silicone fluid

Properties

Appearance		white liquid
Density	[kg/m ³]	980
Active content	[%]	60
pH value		6
Ionogeneity		non-ionic
Viscosity of silicone oil (25 °C)	[mm ² /s]	350
Physiological behaviour		refer to safety data sheet
Storage stability		at least 12 months at temperatures from 0 to 40 °C, protect from freezing
Packing		200 kg in plastic drums 1000 kg containers

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.



Schill + Seilacher "Struktol" GmbH
Moorfleeter Str. 28
D-22113 Hamburg

Fon: +49 40 733 62-0
Fax: +49 40 733 62-194
E-Mail: info@struktol.de
Internet: www.struktol.de

Recommendations for Application

STRUKSILON E 60 is a solvent-free, aqueous silicone emulsion developed for the rubber, plastic, foundry and ceramic industry. In these fields the emulsion is usually applied as mould release agent. Additionally this product is partly applied to finishing textiles and to improve their handle. During production of yarn the emulsion reduces friction and thus avoids undesirable crack of the yarn. In the formulation of polishing agents the gloss is increased and formation of lube is reduced. Additionally the emulsion can be applied when producing ironing sprays, cockpit sprays and for re-wetting of offset printing. And STRUKSILON E 60 is used for demoulding and hydrophobing of technical glassware.

Due to the low viscosity STRUKSILON E 60 is easy to handle and to dose. It consists exceptionally biodegradable surfactants. The small particle size enables a fine dispersion of the emulsion on the surface and the formation of a coherent film.

The release, slip and hydrophobic properties of STRUKSILON E 60 are excellent.

To achieve the required release and lubricant effect only little amounts of STRUKSILON E 60 need to be applied. The emulsion can be diluted to an active content of 0.5 %. But the diluted dispersion has only a limited storage stability and should be used immediately. STRUKSILON E 60 can be applied onto the surface by spraying, dipping, rolling and brushing.

In case of prolonged storage STRUKSILON E 60 may show differences in concentration due to condensation of water at the top of the container and due to slight creaming. The emulsion should be stirred up very well before application.

The suggestions for application and usage of our products as well as possible proposed formulations are meant to advise only to the best of our knowledge. This information is without obligation and does not release customers from their own testings to ensure suitability for intended processes and use. Liability is only accepted in case of intention or gross negligence. Liability for any defects caused by minor negligence are not accepted. Each producer is responsible and liable to observe legislation and patent rights of third parties.

This new leaflet replaces all previously printed documentation.

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Schill + Seilacher "Struktol" GmbH Moorfleeter Straße 28 22113 Hamburg Germany
Phone: +49 40 73362-0 Fax: +49 40 73362-194 E-Mail: info@struktol.de