

## Technical Data Sheet

### STRUKSILON® E 60

#### Composition

Aqueous emulsion of medium-viscosity polydimethylsiloxane with non-ionic surfactants

#### Properties

Appearance		milky-white liquid
Density	[kg/m <sup>3</sup> ]	980
pH value		6
Active content	[%]	60
Viscosity of silicone fluid at 25 °C	[mm <sup>2</sup> /s]	350
Physiological behaviour		refer to safety data sheet
Packing		25 kg can, 200 kg drum, 1000 kg IBC
Storage stability		at least 12 months in original-sealed containers at transport and storage temperatures till 40 °C Attention: Protect from frost!



## Application Recommendation

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 and slip. 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 %. Depend on the concentration of the diluted dispersion, the storage stability is limited and the final product should be used in shorter times.

It is the perfect product for formulators or re-filling companies. It can be easily repacked and sold at lower concentrations. The recommended dilution concentration here is maximum 1 part STRUKSILON® E 60 with 4 parts water.

STRUKSILON® E 60 can be applied onto the surface by spraying, dipping, rolling and brushing.

In case of prolonged storage silicone emulsions may show differences in concentration due to condensation of water at the top of the container and/or slightly creaming.

Attention: Stir properly before use.





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