

Technical Data Sheet

STRUKSILON 72**Composition**

Aqueous emulsion of a high-viscosity silicone polymer with non-ionic and anionic emulsifiers

Properties

| | | |
|-------------------------|----------------------|---|
| Appearance | | white emulsion |
| Density | [kg/m ³] | 990 |
| pH value | | 4.0 |
| Active content | [%] | 35 |
| Physiological behaviour | | refer to safety data sheet |
| Storage stability | | at least 12 months at temperatures up to 30 °C, protect from frost |
| Packing | | 200 kg in plastic drums |

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



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Recommendations for Application

STRUKSILON 72 is a very fine polymer dispersion with an oil viscosity of approx. 500.000 mPas. The emulsion has a high stability and is insensitive against shear forces.

STRUKSILON 72 is low viscous, can be easily dosed and gives a uniform coherent film on the surface. The product shows excellent release and slip properties.

STRUKSILON 72 can be blended with other silicone or organic emulsions to achieve special effects. The compatibility has to be checked in any case. Due to the high viscosity of the silicone polymer STRUKSILON 72 is often used for articles difficult to demould.

This emulsion intensifies the hydrophobic effect in polishes and achieves due to its long-chained polymers a considerably improved gloss compared to common silicone fluids.

STRUKSILON 72 is used in foundries (Hot-Box-Procedure), for siliconization of natural latex threads, in ironing sprays and for the remoistening in offset printing. Further applications amongst others are compression moulding of rubber and plastic articles, conveyor belts for adhesive raw materials, knitwear and hoses.

STRUKSILON 72 can be diluted at any time with deionised water. Usually the solids content is reduced by 0.5 to 5 % according to requirement. Afterwards the emulsion can be applied by spraying, dipping or brushing. Preferred is the application by spraying with a commercial atomizer with compressed air.

In case of prolonged storage, silicone emulsions can 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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