



# Schill + Seilacher

Technical Data Sheet

## STRUKSILON 8030

Silicone Stabiliser for PU-Rigid Foam

### Application Fields

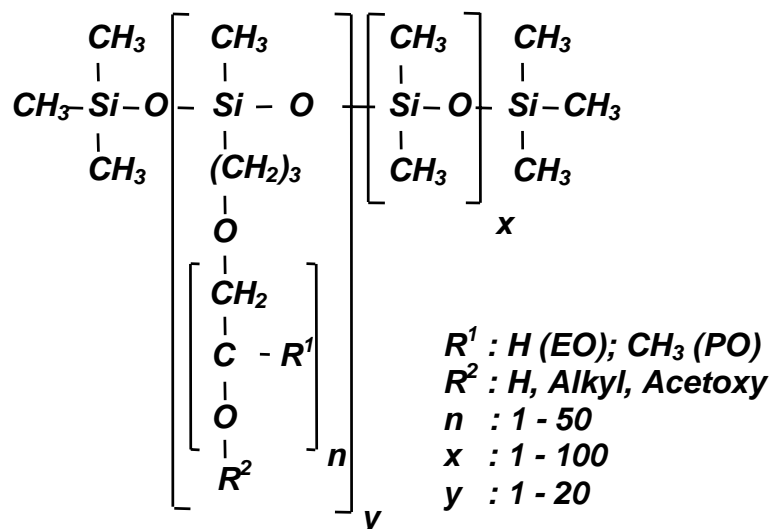
STRUKSILON 8030 is a universal stabiliser for the production of polyurethane rigid foams. Due to its excellent flow properties and the very good insulation values that can be achieved STRUKSILON 8030 is especially recommended for 141 b blown formulation for appliance applications, pipe insulation and the production of PUR panels. Good results may also be achieved, when used in n-,i- or cyclopentane blown systems. For these formulations the system compatibility should be checked.

### Chemical and Physical Properties

According to its chemical structure STRUKSILON 8030 is a polyether modified polydimethyl siloxane resistant to hydrolysis. Due to the negligible content of hydroxyl or other groups reactive towards isocyanates it is chemically inert in polyurethane formulations.

STRUKSILON 8030 is a clear, colourless to slightly yellow liquid of middle viscosity, has strong stabiliser properties and is miscible with water at room temperature.

### General chemical structure :



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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## Typical Properties

Viscosity at 25°C	[mPas]	950
Turbidity point	[°C]	app. 36
Density at 25°C	[kg/m <sup>3</sup> ]	1032
Flash point (DIN/ISO 2562)	[°C]	> 100
Refractive index at 25°C		1,450

## Technical Properties

Due to its chemical structure STRUKSILON 8030 can be incorporated in A as well as in B-components. STRUKSILON 8030 is compatible with isocyanate.

STRUKSILON 8030 combines excellent flowability and very good insulation properties. It is especially recommended for systems used in appliance application, pipe insulation and continuous as well as discontinuous panel products. STRUKSILON 8030 is mainly used in 141 b or 141 b/water and totally water blown systems.

Additionally, STRUKSILON 8030 is suitable when 245 fa and 365 mfc are used as blowing agents.

In pentane based formulations the system compatibility, especially the solubility and the emulsification properties have to be checked carefully prior to use. STRUKSILON 8030 is not recommended for use in pentane blown continuous panel production. For this application we recommend our products STRUKSILON 8005 and STRUKSILON 8007.

In mixtures with polyols of higher functionality or polyesterpolyols slight turbidity may occur especially when used in pentane blown systems. This turbidity neither has an influence on the effectiveness of the stabiliser nor are the foam properties effected.

## Recommended Dosage

Usually, STRUKSILON 8030 is applied in quantities of 0.5 to 1.5 php (parts on 100 parts polyol). We recommend to adjust the optimum dosage to the corresponding formula. However, a concentration of 3 php should not be exceeded.

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## **Product Safety and Handling**

STRUKSILON 8030 is not a hazardous material for the purposes of hazardous materials regulation. STRUKSILON 8030 does not contain aminic components.

Further information regarding safety, toxicology, special properties of the product, transport and storage are given in the safety data sheet.

## **Packaging, Storage and Transport**

Storage stability	12 months in closed original containers if transported and stored at temperatures between 1 and 30°C.
Packaging	200 kg drums 1000 kg containers (IBC)

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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