

BYK-1880

Solvent-free, silicone-containing defoamer for airless application or air-assisted airless application of solvent-borne and solvent-free systems. Especially effective against application-related microfoam.

Not available in Japan.

Product data

Composition

Modified polysiloxane copolymer

SVHC label-free (EU SDS)

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C): 0.99 g/ml

Active substance: 100 %

Flash point: 93 °C

Storage and transportation

Storage and transportation between 0 °C and 50 °C. Separation possible. Stir well before use.

Special note

The cyclic siloxane content D4/D5/D6 of BYK-1880 is less than 0.1 % in each case, therefore the SVHC label is not required in the safety data sheet.





Applications

Coatings industry

Special features and benefits

BYK-1880 is a highly effective, solvent-free, and silicone-containing defoamer. The additive has been especially designed for 2-pack high-solid PUR systems that are difficult to defoam and are applied by airless or air-assisted airless spray. Furthermore, the product can also be used in conventional spray-applied systems and is widely applicable in many solvent-borne and solvent-free coatings (e.g. alkyds and 2-pack epoxy systems). The additive exhibits strong defoaming even in higher film thicknesses and is particularly effective against microfoam. The defoamer is also excellent against macrofoam. BYK-1880 shows no negative influence on film properties such as gloss, leveling, or adhesion.

Recommended use

General industrial coatings	
Marine coatings	
Protective coatings	
Automotive refinish coatings	
Floor coatings	

 especially recommended  recommended

Recommended levels

0.3–1.0 % additive (as supplied) based on the total formulation, in exceptional cases up to 1.5 %.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

For best effectiveness, the defoamer should be incorporated into the letdown of the formulation.

For sensitive systems, which tend to have surface defects, 2/3 of the amount should be added to the millbase and 1/3 to the letdown.

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