

BYK-085

Solvent-free, silicone-containing defoamer with good leveling properties for solvent-borne and solvent-free coatings and adhesives.

Product data

Composition

Polymethylalkylsiloxane

Typical properties

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

Density (20 °C): 0.91 g/cm³
 Flash point: > 110 °C
 Delivery form: liquid

Storage and transportation

Product shelf life in unopened original packaging: 60 months
 Do not exceed 50 °C.

Special note

The additive is also available as a 52 % solution in alkylbenzenes under the name BYK-077.

Applications

Coatings industry

Special features and benefits

BYK-085 is a silicone-based defoamer which prevents the formation of foam and bubbles in the production and processing of solvent-borne and solvent-free coatings in the non-polar to highly polar domain. When re-coating, it does not cause rewetting difficulties or defects in the intercoat adhesion. Due to it being solvent-free in the form supplied, it is especially useful in systems in which a solvent-free additive is necessary, or where intermediate products require specific solvents.

Recommended use

| | |
|--------------------------------|-------------------------------------|
| Marine and protective coatings | <input checked="" type="checkbox"/> |
| General industrial coatings | <input checked="" type="checkbox"/> |
| Architectural coatings | <input type="checkbox"/> |
| Floor coatings | <input type="checkbox"/> |
| Wood and furniture coatings | <input type="checkbox"/> |

especially recommended recommended

Recommended levels

0.01-0.4 % additive (as supplied) based upon the total formulation.

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

Incorporation and processing instructions

The additive can be incorporated during any stage of the production process.

Adhesives and sealants**Special features and benefits**

BYK-085 is a silicone-based defoamer which prevents the formation of foam and bubbles in the production and processing of solvent-borne and solvent-free adhesives. Due to it being solvent-free in the form supplied, it is especially useful in systems in which a solvent-free additive is necessary, or where intermediate products require specific solvents.

Recommended levels

0.01-0.4 % additive (as supplied) based upon the total formulation.

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

Incorporation and processing instructions

The additive can be incorporated during any stage of the production process, including post-addition.

To prevent the build-up of foam during the production process, BYK-085 should be incorporated before adding other components.



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