

BYK-088

Defoamer based on silicones and polymers for solvent-free and solvent-borne coatings, printing inks, thermosets as well as adhesives and sealants.

Product data

Composition

Solution of polyolefins and polysiloxanes

Aromatic-free

Typical properties

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

Density (20 °C):	0.75 g/ml
Non-volatile matter (10 min, 150 °C):	3.3 %
Solvents:	Hydrocarbon mixture (paraffins, naphthenes)
Flash point:	45 °C

Applications

Coatings industry

Special features and benefits

BYK-088 is a defoamer for all solvent-borne and solvent-free coating systems, especially aromatic-free systems.

Recommended use

Architectural coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Can coatings	<input checked="" type="checkbox"/>
Protective coating systems	<input type="checkbox"/>

especially recommended recommended

Recommended levels

0.2–0.8 % additive (as supplied) based upon 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

To achieve optimal defoaming, the defoamer should be added to the millbase. If it is incorporated at a later time, sufficient shear forces must be ensured in order to achieve good defoamer distribution and to prevent crater formation.

Printing inks

Special features and benefits

BYK-088 is a defoamer for all solvent-borne and solvent-free printing inks, especially UV systems.

Recommended levels

0.1–1 % additive (as supplied) based upon 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

To achieve optimal defoaming, the defoamer should be added to the millbase. If it is incorporated at a later time, sufficient shear forces must be ensured in order to achieve good defoamer distribution and to prevent crater formation.

Thermosets

Special features and benefits

Air release agent to prevent foam and bubbles during the manufacture and application of ambient curing plastic applications. Recommended for floorings and casting systems on polyurethane basis.

Recommended levels

0.5–2 % additive (as supplied) based upon 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

Incorporate into resin before adding the other components. Can also be added to complete systems.

Adhesives and sealants

Special features and benefits

BYK-088 is a defoamer for all solvent-borne and solvent-free adhesives and sealants, especially aromatic-free systems.

Recommended use

Recommended for adhesives and sealants on polyurethane basis.

Recommended levels

0.1–1 % additive (as supplied) based upon 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

Incorporate into resin before adding the other components.

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