

BYK-1760

Emission-free silicone and polymer-containing defoamer and air release agent for solvent-borne and solvent-free coatings, adhesives, sealants and casting resins. Particularly recommended for epoxy resin systems.

Product Data

Composition

Solution of foam-destroying polymers and polysiloxanes

Solvent-free

AgBB: < 500 µg/m³

Typical Properties

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

Active substance: 100 %
Epoxy equivalent weight: 250-320 g/eq%
Density (20 °C): 0.89 g/ml

Storage and Transportation

To be stored and transported between 5 °C and 40 °C. Separation or turbidity may occur at temperatures below 5 °C. Warm to 20 °C and mix well.

Special Note

The measured value for the AgBB measurement was assessed after three days in an emission chamber test. The result is given in µg/m³ (toluene equivalent).

Applications

Coatings Industry

Special Features and Benefits

BYK-1760 is a highly effective defoamer and air release agent for solvent-borne and solvent-free coating systems. It is effective during manufacture and processing, and is particularly recommended for epoxy resin systems. The epoxy functional groups contained in the additive facilitate incorporation into the polymer matrix. This can prevent migration.

Recommended Use

Floor coatings	<input checked="" type="checkbox"/>
Marine and protective coatings	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive can be added at any time during preparation. In the event it is incorporated at a later stage, there must be sufficient shear forces to achieve a good distribution of the defoamer.

Thermosets**Special Features and Benefits**

BYK-1760 has been specially developed for use in casting resins. The additive reduces air bubbles and porosity, which in turn reduces the rejection rate. The epoxy-functional groups contained in the additive enable embedding into the matrix. This can prevent migration.

Recommended Levels

0.2-1.5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive can be added at any time.

Adhesives & Sealants**Special Features and Benefits**

BYK-1760 is an effective defoamer and air release agent for solvent-borne and solvent-free adhesive systems. It is effective during manufacture and processing, and is particularly recommended for one-pack and two-pack epoxy resin systems. BYK-1760 displays efficient defoaming of macrofoam and microfoam, and is particularly recommended for highly viscous and thick-film systems. The epoxy functional groups contained in additive facilitate incorporation into the polymer matrix.

Recommended Levels

0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive can be added at any time during preparation. Sufficiently high shear forces must be applied during incorporation to ensure a good distribution of the defoamer.



Additive Guide



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