

BYK-P 9920

Additive for improving fiber wetting in fiber-reinforced composites and for defoaming flooring.

Product Data

Composition

Mixture of oligomeric substances with wetting agents

Typical Properties

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

Density (20 °C): 0.89 g/ml
Epoxy equivalent weight: 250-320 g/eq %
Non-volatile matter (10 min., 150 °C): > 90 %

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

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

Applications

Ambient curing resin systems

Special Features and Benefits

BYK-P 9920 was specially developed for use in fiber-reinforced plastics. The additive improves the wetting of glass or carbon fibers which results in less air entrapment and porosity. The additive avoids dry spots and reduces the scrap rate. Because of the high content of non-volatile matter, it is particularly suitable for closed mold processes. The epoxy-functional groups contained in the additive enable embedding into the matrix.

Recommended Levels

0.5-3 % 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.

Coatings Industry

Special Features and Benefits

BYK-P 9920 can be used as a highly effective defoamer and air-release agent for solvent-borne and solvent-free epoxy systems. It is effective during production and processing and is recommended specifically for floor coatings. The epoxy functional groups contained in the additive enable embedding into the matrix.

Recommended Use

Floor coatings	■
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■ Especially recommended □ Recommended

Recommended Levels

0.25-1 % additive (as supplied) based on 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 production. In the event it is incorporated in a later stage, there must be sufficient shear forces to achieve a good incorporation of the defoamer.



Additive Guide



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