

BYK-W 920

Wetting and dispersing additive to reduce viscosity and prevent fillers from settling.

Product data

Composition

Solution of salt of unsaturated polyamine amides and lower molecular weight acidic polyesters

Typical properties

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

Density (20 °C):	0.94 g/cm ³
Non-volatile matter (10 min, 150 °C):	50 %
Flash point:	25 °C
Acid value:	24 mg KOH/g
Amine value:	19 mg KOH/g

Storage and transportation

Product shelf life in unopened original packaging: 60 months

Separation or turbidity may occur. In this case, warm to 30-40 °C and stir.

Applications

Thermosets

Special features and benefits

The wetting and dispersing additive improves the dispersion of all conventional fillers, such as calcium carbonate and aluminum hydroxide. It reduces the viscosity of the filled resin, allowing a higher filling level. In most cases, the settling of fillers during storage and processing is reduced.

Recommended use

The additive is used as a wetting and dispersing additive in filled fiber reinforced spray-up and hand lay-up resins, as well as in cobalt-accelerated putty compounds. Especially recommended for unsaturated polyester resins. Also recommended for acrylic resins, polyurethane resin systems and epoxy resins.

Recommended levels

0.3-1.5% additive (as supplied) based upon fillers.

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 optimal performance, the additive should be incorporated before solids are added.

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