

BYK-W 985

Wetting and dispersing additive for UP resins and adhesives to reduce the viscosity in mineral-filled systems.

Product data

Composition

Solution of polymeric phosphoric acid ester salt

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):	10 %
Flash point:	45 °C
Refractive index (20 °C):	1.455
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 60 months
To be stored and transported at a temperature below 50 °C.

Applications

Thermosets

Special features and benefits

BYK-W 985 increases the wetting and dispersing speed of all standard fillers such as calcium carbonate and aluminum hydroxide in unsaturated polyester resins, PU- and epoxy resins. It reduces the viscosity considerably which enables higher filler content. Generally, BYK-W 985 does not prevent the settling of fillers. The Gelling can be delayed in cobalt-accelerated UP resins. This can be offset by increasing the quantity of cobalt.

Recommended levels

0.5-1.5 % additive (as supplied) based on the filler.

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 optimum performance, the additive should be added before the solids.

Adhesives and sealants

Special features and benefits

BYK-W 985 is a deflocculating wetting and dispersing additive and is particularly recommended for filled epoxy systems and polyurethane systems. It increases the wetting and dispersing speed of all standard fillers such as calcium carbonate and aluminum hydroxide. It significantly reduces the viscosity which enables higher filler content. Generally, BYK-W 985 does not prevent the settling of fillers.

Recommended levels

0.5-1 % additive (as supplied) based on the filler.

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 optimum performance, the additive should be added before the solids.



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