

BYK-W 940

Wetting and dispersing additive for mineral fillers in unsaturated resin systems and adhesives. The additive prevents the flooding/floating and settling of pigments and fillers in epoxy and VE/UP-based laminates. Reduction in the flooding/floating of colored pigments in gel coats.

Product Data

Composition

Solution of an unsaturated polycarboxylic acid polymer with a polysiloxane copolymer

Typical Properties

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

Acid value:	150 mg KOH/g
Density (20 °C):	0.95 g/ml
Refractive index (20 °C):	1.486
Non-volatile matter (10 min., 150 °C):	50 %
Flash point:	28 °C

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

Separation or turbidity may occur during storage and transportation. Warm to 30-60 °C and mix well.

Applications

Ambient Curing Systems

Special Features and Benefits

BYK-W 940 is a wetting and dispersing additive for mineral fillers as well as inorganic and organic pigments. It stabilizes the solid particles in resin systems and prevents the settling of fillers and the flooding/floating of pigments. BYK-W 940 is primarily used in color pastes and gel coats based on unsaturated polyester resins.

Recommended Levels

Amount of additive (as supplied) based upon solids:

Inorganic pigments:	0.5-3 %
Organic pigments:	2.5-5 %
Fillers:	0.5-1.5 %

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

Incorporation and Processing Instructions

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

Adhesives & Sealants**Special Features and Benefits**

BYK-W 940 is a wetting and dispersing additive for mineral fillers as well as inorganic and organic pigments. It stabilizes the solid particles in adhesive systems and prevents the settling of fillers and the flooding/floating of pigments. BYK-W 940 is recommended for use in epoxy-based and polyester-based adhesive systems. It contains a polysiloxane copolymer to reduce flooding/floating.

Recommended Levels

Amount of additive (as supplied) based upon solids:

Inorganic pigments:	0.5-3 %
Organic pigments:	2.5-5 %
Fillers:	0.5-1.5 %

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

Incorporation and Processing Instructions

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

Pultrusion**Special Features and Benefits**

BYK-W 940 prevents the settling of pigments and fillers in VE/UP-based formulations for pultrusion applications.

Recommended Levels

Amount of additive (as supplied) based upon solids:

Inorganic pigments:	0.5-3 %
Organic pigments:	2.5-5 %
Fillers:	0.5-1.5 %

Incorporation and Processing Instructions

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



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