

BYK-153

Sodium polyacrylate-based wetting and dispersing additive for pigment stabilization in aqueous emulsion paints. The additive is only available in the North American market.

Product Data

Composition

Solution of a sodium salt of an acrylic acid copolymer

Typical Properties

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

Density (68 °F): 10.35 lbs/US gal
Non-volatile matter (10 min., 302 °F): 44 %
Solvents: Water

Food Contact Legal Status

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

Storage and Transportation

The product may solidify below 5 °C (41 °F). Heat to 20 °C (68 °F) and stir.

Application

Coatings Industry

Special Features and Benefits

BYK-153 stabilizes the pigments and fillers by electrostatic repulsion and is recommended for aqueous emulsion paints. The additive increases gloss, improves leveling, shortens dispersing time and stabilizes the pigment dispersion. BYK-153 can be used as the only dispersing additive in most cases. It can be used for inorganic pigments and fillers.

Recommended Levels

Additive dosage as supplied based on pigment:

Inorganic pigments: 1.5-8 %
Titanium dioxides: 1-2 %
Fillers: 0.4-0.8 %

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 must be incorporated into the mill base prior to addition of pigments and fillers.

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