

BYK-154

Ammonium polyacrylate-based dispersing additive for pigment stabilization in aqueous emulsion paints and emulsion adhesives. It is used to improve colorant acceptance and is frequently combined with DISPERBYK-187.

The additive is not available on the North American market. Instead, use BYK-152 or BYK-156, which only differ with respect to the non-volatile content.

Product Data

Composition VOC free (<1500 ppm)

Solution of an ammonium salt of an acrylate copolymer

Typical Properties

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

Density (20 °C): 1.16 g/ml Non-volatile matter (10 min., 150 °C): 42 % Solvents: Water

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

The product may solidify below 5 °C. Heat to 20 °C and stir.

Applications

Coatings Industry

Special Features and Benefits

BYK-154 stabilizes pigments and fillers by electrostatic repulsion and is recommended for aqueous emulsion paints. The additive increases gloss, reduces viscosity and improves storage stability. Combined with a wetting additive such as DISPERKBYK-187, the colorant acceptance is improved when tinting with universal colorants. BYK-154 does not stabilize foam.

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Recommended Use

Architectural coatings	
Protective systems	
Industrial coatings	
■ Especially recommended □ Recommended	

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments: 2-10 % Titanium dioxides: 1.5-2 % Fillers: 0.5-1%

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 before the addition of pigments.

Special Note

In protective coating systems the use of an additional dispersant based on an organic phosphate compound is recommended together with BYK-154 to improve the storage stability.

Adhesives & Sealants

Special Features and Benefits

BYK-154 stabilizes the pigments and fillers by electrostatic repulsion and is recommended for all aqueous emulsion adhesives and sealants.

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments: 2-10 % Titanium dioxides: 1.5-2 % Fillers: 0.5-1%

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 before the addition of pigments.

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