

## 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

Solution of an ammonium salt of an acrylate copolymer

VOC free (<1500 ppm)

#### 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](http://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.

**Recommended Use**

Architectural coatings	<input checked="" type="checkbox"/>
Protective systems	<input checked="" type="checkbox"/>
Industrial coatings	<input type="checkbox"/>

☒ 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.