

## BYK-3558

Surface additive based on a silicone- and polyether-modified acrylate copolymer for high- and medium-solid coating systems. For a moderate reduction in the surface tension and an increase in surface slip, for excellent leveling properties and good anti-cratering effect.

### Product data

#### Composition

Polydimethylsiloxane- and polyether-modified polyacrylate

#### Typical properties

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

Density (20 °C): 1.02 g/ml

Active substance: > 98 %

Flash point: 101 °C

Appearance: colorless to slightly yellow, clear to slightly turbid

#### Storage and transportation

To be stored and transported at temperatures below 50 °C.

### Applications

#### Coatings industry

#### Special features and benefits

The components of the additive are formulated so that the various special features and benefits of their chemical basis (silicone and acrylate chemistry) are combined into just one molecule. Use of BYK-3558 results in a moderate reduction in the surface tension of the wet coating, which improves substrate wetting and effectively prevents cratering. BYK-3558 also ensures excellent leveling. The surface slip is increased, while the tendency to stabilize foam in the coating remains the same.

#### Recommended use

Automotive refinish coatings	■
General industrial coatings	■

■ especially recommended    □ recommended

**Recommended levels**

0.1–0.5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The additive can be incorporated during any stage of the production process; however, post-addition is recommended. It is important to test the compatibility in the respective coating system. As BYK-3558 has a higher level of viscosity, it is recommended to warm it slightly or pre-dilute it before use.



**Your local  
contact**

**BYK-Chemie GmbH**  
Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
Fax +49 281 65735

**info@byk.com**  
**www.byk.com**

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This issue replaces all previous versions.