

BYK-3480

100 % silicone surfactant for aqueous systems to improve substrate wetting by means of a strongly reduced surface tension in the liquid coating. Excellent defoaming properties and anti-cratering effect combined with good leveling properties, particularly suitable for pigmented systems.

Product data

Composition

Polyether-modified polydimethylsiloxane

SVHC label-free
(EU SDS)

Typical properties

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

Density (20 °C): 1.03 g/ml

Active substance: 100 %

Flash point: > 109 °C

Storage and transportation

Store in a cool, dry, well-ventilated place.

Applications

Coatings industry

Special features and benefits

BYK-3480 combines various important properties in a single additive. In the first instance, it strongly reduces the static surface tension in the liquid coating, and therefore particularly improves the substrate wetting. Additionally, good leveling and an excellent defoaming effect are achieved, particularly with regard to the manufacturing of coatings and spray application. BYK-3480 is extremely suitable for critical substrates, e.g. plastics or contaminated metal surfaces. The product is even effective at a low dosage. It can also be post-added as an anti-cratering additive/troubleshooting additive, and incorporated at moderate shear rates. BYK-3480 requires a small proportion of organic cosolvents when it is used in aqueous systems. BYK-3480 has a strong defoaming effect and is therefore particularly suitable for pigmented systems.

Recommended use

General industrial coatings	☒
Marine and protective coatings	☒
Automotive coatings	☐
Architectural coatings	☐
Wood and furniture coatings	☐
Floor coatings	☐

☒ especially recommended ☐ recommended

Recommended levels

0.05–0.5 % (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

BYK-3480 can be added to the letdown product or as a post-additive.

Special note

BYK-3480 is a silicone-containing surface additive. It is therefore recommended to check the intercoat adhesion and recoatability when it is used in multi-layer systems.



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This issue replaces all previous versions.