

BYK-3756

Silicone-containing surface additive with extended food contact compliance for solvent-borne, solvent-free, and aqueous coating systems with a strong reduction in the surface tension. Excellent substrate wetting, prevents cratering and increases surface slip.

Product Data

Composition

Solution of a 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):	0.97 g/ml
Non-volatile matter (10 min., 150 °C):	24 %
Solvents:	Dipropylene glycol monomethyl ether (DPM)
Flash point:	77 °C

Special Note

BYK-3756 is the version of BYK-342/BYK-3754 with extended food contact compliance. The cyclic siloxane content D4/D5/D6 of BYK-3756 is less than 0.1 % in each case, therefore the SVHC label is not required in the safety data sheet.

Applications

Coatings Industry

Special Features and Benefits

The additive provides a strong reduction in the surface tension of coating systems. It therefore especially improves substrate wetting and prevents cratering. Surface slip, gloss, and anti-blocking are also increased.

Recommended Use

The additive is particularly recommended for all solvent-borne, solvent-free, and aqueous coatings.

Recommended Levels

0.1-0.3 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive can be incorporated during any stage of the production process, including post-addition.

Special Note

Unlike so-called silicone oils, this additive is very user-friendly. However, before use, a series of laboratory tests should be conducted to determine whether the foam is stabilized in certain systems. Similarly, the recoatability and cratering should be checked.



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ADD-MAX®, ADD-VANCE®, ADJUST®, ADVITROL®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK®-DYNWET®, BYK®-MAX®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAX®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERAL COLLOID®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL®, VISCOBYK® and Y 25® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.