

BYK-3741

Solvent-free, silicone-containing surface additive for solvent-borne and solvent-free coating systems with a slight reduction in surface tension and a slight increase in surface slip. Improves leveling and has a defoaming effect.

Product data

Composition

Polyether-modified methylalkylpolysiloxane

Solvent-free
Cumene-free

Typical properties

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

Density (20 °C):	0.93 g/ml
Non-volatile matter (10 min, 150 °C):	≥ 98 %
Flash point:	> 100 °C

Special note

BYK-3741 is the solvent-free version of BYK-320.

Applications

Coatings industry

Special features and benefits

BYK-3741 is a leveling additive for solvent-borne and solvent-free coatings causing only a slight reduction in the surface tension of the coating system and a slight increase in surface slip. It also has defoaming properties and is particularly suitable for non-polar to medium-polar systems. The defoaming effect intensifies with increasing polarity. Furthermore, the additive prevents cleaning traces (wiper marks) from showing through when the coating is recoated. To avoid this defect (also called "ghosting"), the product must be used in the coating layer that is to be recoated.

Recommended use

Automotive OEM coatings	■
Automotive refinish coatings	■
Floor coatings	■
General industrial coatings	■
Marine coatings	■
Protective coatings	■
Wood and furniture coatings	■
Can coatings	□

■ especially recommended □ recommended

Recommended levels

0.05–0.6 % 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, including post-addition.

Special note

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



**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

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® 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.