

## BYK-397

Silicone- and fluorine-free leveling additive for solvent-borne coating systems with excellent defoaming properties.

### Product data

#### Composition

Solution of a polyacrylate

#### Typical properties

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

Density (20 °C):	0.98 g/ml
Solvents:	Methoxypropylacetate
Non-volatile matter (30 min., 150 °C):	70 %
Flash point:	48 °C

### Applications

#### Coatings industry

##### Special features and benefits

BYK-397 is a low-polarity additive that is characterized by highly balanced compatibility in coatings and perfect orientation toward the coating surface. This has two effects: Firstly, the additive offers outstanding leveling properties, and secondly, it provides a spontaneous defoaming effect, even at a low additive dosage. The surface tension of the coating is only slightly reduced, thereby ensuring that the recoatability and good intercoat adhesion are retained. Furthermore, BYK-397 can be used both in pigmented systems as well as in clearcoats, and does not cause haze or turbidity. It can also be used in high-gloss coatings. BYK-397 is suitable for systems with low film thickness and systems with high film thickness. It is thermally stable and does not cause yellowing at high baking temperatures.

##### Recommended use

The additive offers broad compatibility. It is recommended for all solvent-borne 1-pack and 2-pack systems, and for baking systems, such as general industrial coatings, can coatings, and coil coatings.

##### Recommended levels

0.1-1.5 % 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 is easy to incorporate, but requires sufficient shear forces. It can be incorporated during any stage of the production process, and can also be post-added.



**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®, CERAFAC®, 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.