

# BYK-W 9011

Wetting and dispersion additive for SMC, BMC, and pultrusion to reduce the viscosity of fillers and pigments in LP and LS systems as well as in highly filled epoxy formulations. Not suitable for cobalt-accelerated systems. For low-emission formulations. Cost-effective alternative to BYK-W 9010.

## Product Data

### Composition

Copolymer with acidic groups

### Typical Properties

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

Acid value:	65 mg KOH/g
Density (20 °C):	1.11 g/ml
Refractive index (20 °C):	1.465
Water content:	0.13 %
Active substance:	100 %

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Storage and Transportation

Separation or turbidity may occur during storage and transportation. Warm to > 30 °C and mix well.

### Special Note

BYK-W 9011 is not recommended for use in ambient curing, cobalt-accelerated resins because the curing process may be inhibited.

## Applications

### SMC, BMC, Pultrusion

#### Special Features and Benefits

BYK-W 9011 improves the wetting and dispersion of the most common fillers such as calcium carbonate and ATH (aluminum trihydroxide). The additive reduces viscosity which enables higher filler content. The improved wetting and dispersion of the fillers results in improved homogeneity and also optimizes batch reproducibility. In BMC formulations BYK-W 9011 is recommended for viscosity stabilization.

**Recommended Use**

BYK-W 9011 is solvent-free and particularly recommended for formulations in which solvents need to be avoided.

Low emission SMC/BMC	<input checked="" type="checkbox"/>
LP and Class A formulations	<input checked="" type="checkbox"/>
LS formulations	<input checked="" type="checkbox"/>
Pultrusion	<input checked="" type="checkbox"/>
Epoxy systems	<input type="checkbox"/>

☒ especially recommended    ☐ recommended

**Recommended Levels**

0.5-1 % additive (as supplied) based on fillers/pigments for wetting and dispersion.

0.25-1 % additive (as supplied) based on the resin in BMC for viscosity stabilization.

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 should be added to the resin mixture prior to homogenization and the addition of the fillers/pigments.



Additive Guide



**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**

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYPK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. ACTAL®, ADJUST®, ADVITROL®, ASTRABEN®, BENTOLITE®, CLAYTONE®, CLOISITE®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and VISCOSEAL® are registered trademarks of BYK Additives. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAX®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra.

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 – Printed in Germany