

# BYK-W 985

Wetting and dispersing additive for ambient-curing resin systems and adhesives to reduce the viscosity in mineral-filled systems.

## Product Data

### Composition

Solution of an acidic polyester

### Typical Properties

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

Density (20 °C):	0.94 g/ml
Refractive index (20 °C):	1.455
Non-volatile matter (10 min., 150 °C):	10 %
Flash point:	45 °C

### 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.

## Applications

### Ambient Curing Resin Systems

#### Special Features and Benefits

BYK-W 985 increases the wetting and dispersing speed of all standard fillers such as calcium carbonate and aluminum hydroxide in unsaturated polyester resins, PU- and epoxy resins. It reduces the viscosity considerably which enables higher filler content. Generally, BYK-W 985 does not prevent the settling of fillers. The Gelling can be delayed in cobalt-accelerated UP resins. This can be offset by increasing the quantity of cobalt.

#### Recommended Levels

0.5-1.5 % additive (as supplied) based upon the filler.

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

#### Incorporation and Processing Instructions

For optimum performance, the additive should be added before the solids.

## Adhesives & Sealants

### Special Features and Benefits

BYK-W 985 is a monofunctional, deflocculating wetting and dispersing additive and is particularly recommended for all filled epoxy systems. It increases the wetting and dispersing speed of all standard fillers such as calcium carbonate and aluminum hydroxide. It reduces the viscosity considerably which enables higher filler content. Generally, BYK-W 985 does not prevent the settling of fillers. The additive is also suitable for use in PU systems.

### Recommended Levels

0.5-1 % additive (as supplied) based on the filler.

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

### Incorporation and Processing Instructions

For optimum performance, the additive should be added before the solids.



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](mailto:info@byk.com)  
[www.byk.com](http://www.byk.com)

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SCONA®, 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®, CERAFAC®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera.

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