

BYK-W 969

Wetting and dispersing additive for amine-accelerated UP, EP and, PUR systems and adhesives to reduce the viscosity in mineral-filled systems. It is embedded into the polymer matrix due to its OH functionality. Extends the gelling time with cobalt accelerators in UP resins.

Product Data

Composition

Solution of a hydroxy-functional alkylammonium salt of an acidic copolymer

Typical Properties

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

Amine value:	30 mg KOH/g
Acid value:	30 mg KOH/g
Density (68 °F):	9.10 lbs/US gal
Refractive index (68 °F):	1.455
Active substance:	40 %
Flash point:	> 212 °F
OH value:	ca. 265 mg KOH/g

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Separation or turbidity may occur during storage and transportation. Warm to 40-60 °C (104-140 °F) and mix well. Product efficiency is not influenced.

Applications

Ambient Curing Systems

Special Features and Benefits

BYK-W 969 is a monofunctional, deflocculating wetting and dispersing additive for mineral-filled, amine-preaccelerated polyester putty compounds as well as epoxy, acrylic, and polyurethane resins. It improves the wetting and dispersing speed of fillers during dispersion and reduces viscosity to enable an increased filler content to be achieved. The higher filler content improves sandability in applied and cured polyester putty compounds. The additive leads to a considerably increase in gelling time in cobalt-accelerated unsaturated polyester resins. It is suitable for all filled PUR systems. Due to its OH functionality, BYK-W 969 is incorporated in the polymer matrix and is therefore suitable for PUR systems in which fogging and emissions are critical (e.g., automotive applications).

BYK-W 969

Data Sheet
Issue 04/2014

Recommended Levels

Amount of additive (as supplied) based upon the filler:

UP putty compounds: 0.5-1.5 %
PUR systems: 0.5-2 %
Epoxy systems: 0.5-2 %
Acrylate systems: 0.5-2 %

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 969 is a monofunctional, deflocculating wetting and dispersing additive. It is particularly recommended for all filled PUR systems. Due to its OH functionality, this additive is incorporated into the polymer matrix and is therefore suitable for systems in which fogging and emissions are critical (e.g. automotive applications). BYK-W 969 is a wetting and dispersing additive for mineral-filled polyurethane and epoxy adhesives. It improves the wetting and dispersing speed of fillers during dispersion and reduces the viscosity to enable an increased filler content to be achieved.

Recommended Levels

0.5-1 % 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.



Additive Guide



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com

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

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents. This issue replaces all previous versions – Printed in the USA