

BYK-P 105

Controlled flocculating wetting and dispersing additive for solvent-borne and solvent-free adhesives as well as ambient-curing resin systems to stabilize fillers. Solvent-free version of BYK-P 104.

Product Data

Composition

Low molecular weight, unsaturated polycarboxylic acid polymer

Typical Properties

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

Acid value: 365 mg KOH/g

Density (68 °F): 8.72 lbs/US gal

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.

Special Note

White spirit-based coating systems or those that are diluted with white spirit have a limited compatibility. Due to its high viscosity, BYK-P 105 should be heated prior to processing so that it flows more readily. The additive is also available under the name BYK-P 104 as a 50 % solution in xylene/diisobutyl ketone.

Applications

Adhesives

Special Features and Benefits

BYK-P 105 provides a targeted, controlled flocculation of the filler. Bridges are built between the individual filler particles, thereby creating three-dimensional networks. This controlled flocculation primarily prevents settling and sagging. BYK-P 105 is particularly recommended for acrylate adhesives and can also be used in polyurethane adhesives.

Recommended Levels

0.5-1.5 % 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 must be incorporated into the millbase before addition of pigments.

Ambient Curing Resin Systems**Special Features and Benefits**

BYK-P 105 provides a targeted, controlled flocculation of the filler. Bridges are built between the individual filler particles, thereby creating three-dimensional networks. This controlled flocculation primarily prevents settling and sagging. BYK-P 105 is particularly recommended for acrylate systems.

Recommended Levels

0.5-1.5 % 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 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®, CERAFAK®, 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