

BYK-014

VOC-free, silicone-free polymer-based defoamer for aqueous architectural coatings, plasters, adhesives as well as care products and polishes. Optimum performance at the lowest dosage.

Product Data

Composition

Mixture of foam-destroying polymers and hydrophobic solids

VOC-free (< 1500 ppm)
Contains no alkylphenol
ethoxylates.

Typical Properties

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

Density (68 °F): 8.10 lbs/US gal

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 for further information.

Storage and Transportation

Separation may occur. Mix well before use.

Applications

Coatings Industry

Special Features and Benefits

BYK-014 is especially recommended as a defoamer in the production and application of emulsion paints and plasters within a PVC range of 30-85. The additive is free of silicones and mineral oil, and is especially suitable for VOC-free systems. It exhibits optimum performance at the lowest dosage, is stable to acids and alkalis, and can be used in the pH range 3-12.

Recommended Use

Architectural coatings	<input checked="" type="checkbox"/>
Coil coatings	<input type="checkbox"/>
Leather coatings	<input type="checkbox"/>

especially recommended recommended

Recommended Levels

0.1-0.5 % additive (as supplied) based on the total formulation.

BYK-014

Data Sheet
Issue 01/2014

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 can be added at any time during production. Sufficiently high shear forces must be applied.

Adhesives & Sealants

Special Features and Benefits

BYK-014 is a highly effective defoamer for all current dispersion adhesives and inhibits foaming during production and application. The product is free of silicones and mineral oil, and is especially recommended for VOC-free systems. It exhibits optimum performance at the lowest dosage, is stable to acids and alkalis, and can be used in the pH range 3-12.

Recommended Levels

0.1-0.8 % additive (as supplied) based on the total formulation.

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 can be added at any time during production. Sufficiently high shear forces must be applied.

Care Products and Polishes

Special Features and Benefits

BYK-014 is especially recommended as a defoamer for floor care products with a high wax content. It achieves very good defoaming when applied with a microfiber mop.

Recommended Levels

0.1-0.5 % additive (as supplied) based on the total formulation.

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

Incorporation and Processing Instructions

It is preferable to add the additive after the binder and water have been premixed, but before the wax emulsions are added. However, it can be used at any stage during manufacture. Due to its very easy incorporation, high shear forces are not necessarily required.



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/additives

ACTAL®, ADJUST®, ADVITROL®, ALUFERSOL®, ANTI-TERRA®, BENTOLITE®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CLAYTONE®, CLOISITE®, COPISIL®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, FULGEL®, FULMONT®, GARAMITE®, GELWHITE®, LACTIMON®, LAPONITE®, MINERAL COLLOID®, NANOBYPK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PAPERBYK®, PERMONT®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, SILBYK®, TIXOGEL®, VISCOBYK®, Y-25®, and Greenability® are registered trademarks of BYK-Chemie. 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 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