

BYK-085

Solvent-free, silicone-containing leveling additive with good defoaming properties for solvent-borne and solvent-free coatings and adhesives.

Product Data

Composition

Polymethylalkylsiloxane

Typical Properties

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

Density (20 °C): 0.91 g/ml

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

The additive is also available as a 52 % solution in alkylbenzenes under the name BYK-077.

Applications

Coatings Industry

Special Features and Benefits

BYK-085 is a silicone-based leveling additive which also prevents the formation of foam and bubbles in the production and processing of solvent-borne and solvent-free coatings in the non-polar to highly polar domain. When re-coating, it does not cause rewetting difficulties or defects in the intercoat adhesion. Due to it being solvent-free in the form supplied, it is especially useful in systems in which a solvent-free additive is necessary, or where intermediate products require specific solvents.

Recommended Levels

0.01-0.4 % additive (as supplied) based upon 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 incorporated during any stage of the production process.

Adhesives

Special Features and Benefits

BYK-085 is a silicone-based leveling additive which also prevents the formation of foam and bubbles in the production and processing of solvent-borne and solvent-free adhesives. Due to it being solvent-free in the form supplied, it is especially useful in systems in which a solvent-free additive is necessary, or where intermediate products require specific solvents.

Recommended Levels

0.01-0.4 % additive (as supplied) based upon 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 incorporated during any stage of the production process, including post-addition. To prevent the build-up of foam during the production process, BYK-085 should be incorporated before adding other components.



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/additives

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. 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.

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

This issue replaces all previous versions – Printed in Germany