BYK-3410

Silicone-free surface additive for aqueous coatings, printing inks as well as adhesives and sealants to improve substrate wetting.

Product Data

Composition
Compound of surface-active substances

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

Active substance: 100 %
Density (68 °F): 8.93 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.

Applications

Coatings Industry

Special Features and Benefits
The additive reduces the dynamic surface tension and therefore improves substrate wetting, particularly in the case of high-speed application processes.

Recommended Use
The additive can be used in all aqueous coating systems. It is particularly suitable for systems that are applied at high speed.

Recommended Levels
0.5-2 % 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 incorporated during any stage of the production process, including post-addition.

Adhesives & Sealants

Special Features and Benefits
The additive reduces the dynamic surface tension in high-speed application processes and therefore improves substrate wetting.

Recommended Use
The additive can be added to all aqueous adhesives and sealants. It is particularly suitable for pouring at high speed, e.g. when producing adhesive tape (PSA).

Recommended Levels
0.2-1.2 % 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 incorporated during any stage of the production process, including post-addition.

Printing Inks

Special Features and Benefits
The additive reduces the dynamic surface tension and therefore improves substrate wetting and ink transfer in high-speed printing processes.

Recommended Use
The additive can be added to all aqueous flexographic and gravure printing inks as well as overprint varnishes. It is particularly suitable for systems that are printed at high speed.

Recommended Levels
0.5-2 % 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 incorporated during any stage of the production process, including post-addition.

Detergents, Cleaning and Care Products

Special Features and Benefits

BYK-3410 is used in waxy self-shine emulsions (matt and gloss) and improves substrate wetting by reducing the surface tension. This promotes leveling of the care product without increasing surface slip. BYK-3410 is fluorine-free, displays only minor foam stabilization and has no negative impact on the next coating application.

Recommended Levels

0.1-1.0 % additive (as supplied) based on the total formulation.

Incorporation and Processing Instructions

BYK-3410 is preferably added to the finished formulation, however it is possible to use it at any stage of manufacture. Prior to use in systems containing plasticizers, the additive should be diluted using the volatile plasticizer to 10 % active substance.

BYK-3410

Data Sheet
Issue 09/2016

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

This issue replaces all previous versions – Printed in the USA