BYK-394

Polyacrylate-based surface additive for solvent-borne coil coatings and wood and furniture coatings. Improves leveling and enhances tape release. OH-functional.

Product Data

Composition
Solution of a polyacrylate copolymer

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

Density (68 °F):	8.49 lbs/US gal
Non-volatile matter (10 min., 302 °F):	80 %
Solvents:	Dipropylene glycol monomethyl ether
Flash point:	190 °F
OH value:	23 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.

Special Note
When using this additive, the surface must be sanded thoroughly prior to recoating to ensure the adhesion of the new coating layer.

Applications

Coatings Industry

Special Features and Benefits
The additive orients itself to the coating surface and is fixed in the surface via its reactive groups by reacting with the polymer matrix. BYK-394 contains primary OH groups which react with binders, such as 2K polyurethane, alkyd/melamine, polyester/melamine, acrylate/melamine and acrylate/epoxy combinations in solvent-borne systems. The non-polar groups of the BYK-394 result in outstanding tape release. The additive improves leveling and gloss. It produces a long wave effect and prevents cratering. BYK-394 has no impact on surface tension and is thermally stable.

BYK-394

Data Sheet
Issue 08/2013

Recommended Use
The additive is recommended for use in solvent-borne and solvent-free baking systems and 2K polyurethane coatings.

Coil coatings	■
Wood and furniture coatings	■

■ especially recommended

Recommended Levels
0.2-3 % additive (as supplied) based upon 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.

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

This issue replaces all previous versions – Printed in the USA