BYK-4511

Polymeric adhesion promoter for solvent-free and solvent-borne (also high solid) two-pack epoxy resin systems and baking systems.

Product Data

Composition
Solution of a copolymer with functional groups

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

Density (20 °C):	1.03 g/ml
Active substance:	40 %
Non-volatile matter (10 min., 150 °C):	34.5 %
Solvents:	Methoxypropylacetate
Flash point:	24 °C

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
Product is hygroscopic. Store dry. To be stored and transported at a temperature below 40 °C. A slight turbidity of the additive can occur. However, this does not affect the effectiveness of the product.

Applications

Coatings Industry

Special Features and Benefits
The additive is used to improve adhesion on various metals (e.g. steel, galvanized steel, aluminum) as well as glass. It also increases the flexibility of the coating and the resistance of the coat to surface impurities such as oil and rust.

Recommended Use

Industrial coatings	■
Protective coatings	■

■ particularly recommended

The additive is recommended for two-pack epoxy resin systems but is also suitable for baking systems (e.g. alkyd/melamine, acrylate/melamine).

Recommended Levels

1-5 % additive (as supplied) based upon total formulation.
The dosage levels are indicated for the purpose of orientation. Optimal dosage levels are determined through series of tests.

Incorporation and Processing Instructions

In two-pack epoxy systems, the additive must be incorporated into the hardener component or it is stirred in retroactively along with the hardener shortly before application. In baking systems, the additive is added to the letdown or the finished paint while stirring continuously.

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