

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 |
| Amine value: | 136 mg KOH/g |

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 | <input checked="" type="checkbox"/> |
| Protective coatings | <input checked="" type="checkbox"/> |

☒ especially recommended ☐ 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 above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

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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This issue replaces all previous versions.