

BYK-4513

Adhesion promoter for 2K aqueous epoxy systems to increase adhesion to metal substrates and corrosion resistance.

Product Data

Composition

Solution of a polymer with functional groups

Typical Properties

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

Amine value:	60 mg KOH/g
Density (20 °C):	1.06 g/ml
Non-volatile matter (30 min., 150 °C):	41 %
Solvents:	Dipropylene glycol monomethyl ether (DPM)
Flash point:	84 °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.

Applications

Coatings Industry

Special Features and Benefits

BYK-4513 is used in aqueous epoxy-based coating systems as an adhesion promoter for metal substrates. It increases the wet and dry adhesion and the mechanical resilience, and can also help to improve the corrosion resistance of the coating. The polymeric character of BYK-4513 and its attachment to the metal-coating interface also provide more flexibility to the film coating. BYK-4513 is silane free and has outstanding storage stability.

Recommended Use

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

☒ especially recommended ☐ recommended

Recommended Levels

1-5 % 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 either in the hardener or the binder. The time of addition depends on the compatibility in the coating system; it is generally recommended to incorporate the additive during the grinding phase. With good compatibility, it can also be used as a post-additive.



Additive Guide



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