

P-102W

Adhesion promoter

Overview

P-102W is a waterborne epoxy phosphate adhesion promoter, primarily used in waterborne baking coatings. It enhances adhesion to metals, glass, ceramics, electroplated substrates, and certain plastics such as PBT and nylon.

Physicochemical Properties

Appearance	Colorless to slightly yellow transparent liquid	Composition	Epoxy phosphate ester
Active Content	68.0 ±2.0%	Solvent	Water/mixed solvent
pН	0.99 g/ml		

Properties and Advantages

- Excellent compatibility with resins.
- Enhances adhesion to metals, glass, ceramics, electroplated substrates, and certain plastics like PBT and nylon.
- Significantly improves water resistance, salt spray resistance, solvent resistance, and chemical resistance of coatings
- Enhances hardness, abrasion resistance, and stain resistance to some extent.

Note: Due to its high acid value, it can cause gloss loss and blackening in acid-sensitive pigments and untreated aluminum pastes.

Dosage

Usage level: 1.0-3.0% by weight

Application

Suitable for waterborne amino baking coatings and waterborne anticorrosive coatings.

Precautions & Storage

- Store below 40 °C in a cool, well-ventilated area.
- Keep the container tightly sealed and away from heat and open flames.
- Use as soon as possible after opening; seal tightly if not fully used.

Safety

Refer to MSDS

Packaging

25 KG/Barrel

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For further detailed information, please contact our company directly.

www.new-techem.com

The information provided is compiled based on our current knowledge and is intended for reference only. No guarantees are made. We reserve the right to modify product parameters within the scope of process advancements or product development. Due to the wide range of processing conditions and raw material combinations beyond our control, users are advised to conduct suitability tests before production.

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