

KOBOND™ 4004 Polyester Adhesion Promoter

INTRODUCTION

KOBOND™ 4004 is a polyester-based adhesion promoter with multiple anchoring groups and hydroxyl functionality. It improves coating adhesion to metal substrates and is particularly suitable for waterborne baking coatings, as well as melamine-cured and two-component polyurethane coatings.

BENEFITS / EFFECTS

- Improves adhesion to aluminum, zinc, stainless steel and electroplated surfaces.
- Hydroxyl groups can participate in resin crosslinking.
- Improves coating flexibility and impact resistance.
- Good compatibility with melamine resin systems.

PHYSICAL PROPERTIES

Appearance	Light yellow transparent liquid
Non-volatile matter (120°C, 2 h)	60%
Solvent	2-Butoxyethanol
Density (25°C) g/mL	1.09

These values are typical and are not intended for use as specifications.

APPLICATIONS

KOBOND™ 4004 is suitable for waterborne baking coatings, melamine-cured acrylic, alkyd and polyester coatings, and two-component polyurethane coatings. It promotes adhesion to aluminum, zinc, stainless steel and electroplated surfaces.

RECOMMENDED DOSAGE

The recommended dosage is 0.5–3.0% as supplied, based on the total formulation. The additive can be added at any stage of manufacture with adequate stirring. The optimum dosage should be determined by application testing. It is not recommended for air-drying coatings.

PACKING

KOBOND™ 4004 is supplied in 25 kg pails.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

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STORAGE

KOBOND™ 4004 has a shelf life of 24 months from the date of production. Refer to the product SDS and container label for detailed storage requirements.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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