

KOBOND™ 4063 Acid-functional Polyester Adhesion Promoter

INTRODUCTION

KOBOND™ 4063 is an acid-functional polyester adhesion promoter designed to improve the adhesion of coatings to metal substrates. It provides strong interfacial interaction with metal surfaces and is particularly effective on aluminum, zinc, stainless steel and electroplated substrates.

KOBOND™ 4063 also contains hydroxyl functionality that can participate in crosslinking reactions in suitable reactive resin systems. In addition to improving adhesion, it can enhance coating flexibility and impact resistance. It is particularly suitable for coil coatings and other thermosetting metal coating systems.

BENEFITS / EFFECTS

- Excellent adhesion to metal substrates
- Particularly effective on aluminum, zinc and stainless steel
- Improves adhesion to electroplated surfaces
- Enhances coating flexibility and impact resistance
- Good compatibility with melamine resin systems
- Suitable for thermosetting metal coatings

PHYSICAL PROPERTIES

Appearance	Yellow transparent liquid
Non-volatile content, wt%	60
Density at 25°C, g/cm ³	1.08
Solvent	2-Butoxyethanol

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

APPLICATIONS

KOBOND™ 4063 is recommended for acrylic/melamine, alkyd/melamine and polyester/melamine baking coatings, as well as selected two-component polyurethane coatings where improved adhesion to metal substrates is required. It is particularly suitable for coil coatings and other thermosetting metal finishes on aluminum, zinc, stainless steel and electroplated surfaces. KOBOND™ 4063 is not recommended for self-drying coating systems.

RECOMMENDED DOSAGE

The recommended addition level is 0.1–5.0% as supplied, based on the total formulation. The optimum addition level should be determined through laboratory trials.

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PACKING

KOBOND™ 4063 is supplied in 25 kg pail or 200 kg drum.

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.

STORAGE

Keep the container tightly closed and store in a cool, dry and well-ventilated place. KOBOND™ 4063 has a shelf life of 24 months from the date of manufacture in the original unopened packaging.

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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