

KOBOND™ 4075 Titanate Adhesion Promoter

INTRODUCTION

KOBOND™ 4075 is a titanium acetylacetonate based adhesion promoter and crosslinking additive for solvent-based coatings and printing inks. As an organic titanium chelate, it provides a balanced reactivity profile, enabling effective adhesion promotion and crosslinking without premature reactions.

KOBOND™ 4075 can react with functional groups such as -OH, -NH₂ and -COOH, forming an interfacial bonding layer between the substrate and the binder, thereby significantly improving adhesion, film strength and solvent resistance.

BENEFITS / EFFECTS

- Titanium acetylacetonate based organic titanium compound
- Improves adhesion on substrates with reactive functional groups
- Enhances film strength and solvent resistance
- Acts as a crosslinker for -OH functional polymers
- Good balance between reactivity and storage stability
- Suitable for solvent-based inks and coatings

PHYSICAL PROPERTIES

Appearance	Clear Liquid
Color	Yellowish to Reddish-brown
Active Content	75%
Solvent	DPGME

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

APPLICATIONS

KOBOND™ 4075 is suitable for solvent-based coating and printing ink systems requiring enhanced adhesion. It is effective on substrates such as PET, PA, glass, aluminum, iron, and pre-treated polyolefins. It can also be used as a crosslinker or adhesion promoter in industrial coatings applied on difficult polymeric substrates and metal surfaces.

USAGE GUIDELINES

KOBOND™ 4075 is typically used at 0.2-2.0% based on the total formulation weight. Due to its reactivity, storage stability in the finished formulation should be evaluated in advance. It is generally added at the final stage of formulation to avoid undesired pre-reactions.

PACKING

KOBOND™ 4075 is supplied in 25Kg pail and 200Kg drum.

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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

KOBOND™ 4075 is sensitive to moisture and reacts slowly with water. Containers should be kept tightly closed and stored in a dry environment. Avoid prolonged exposure to moisture and excessive heat.

In the original unopened containers, KOBOND™ 4075 has a shelf life of 12 months from the date of production.

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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