

KOBOND™ 3057 Dispersing Agent

INTRODUCTION

KOBOND™ 3057 is a polymeric super dispersant containing pigment-affinity functional groups, developed for high-polarity systems. It provides excellent wetting, dispersion, and stabilization performance for both inorganic and organic pigments. It shows outstanding viscosity reduction efficiency, particularly in carbon black dispersions, and effectively improves dispersion stability during storage.

BENEFITS / EFFECTS

- Polymeric super dispersant with pigment-affinity functional groups
- Suitable for **high-polarity**, water-based and alcohol-soluble systems
- Excellent wetting and dispersion for inorganic and organic pigments
- Outstanding viscosity reduction, especially for carbon black
- Improves anti-settling, anti-flocculation, and storage stability
- More effective in preventing re-flocculation compared with small molecule dispersants
- Good compatibility with various resin systems

PHYSICAL PROPERTIES

Appearance	Light yellow transparent liquid
Active Content	100%

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

APPLICATIONS

KOBOND™ 3057 is recommended for high-polarity systems, including water-based coatings, water-based inks, and alcohol-soluble formulations. It is suitable for the dispersion of inorganic pigments, organic pigments, nano-scale inorganic materials, and carbon black.

For carbon black and phthalocyanine pigments, enhanced viscosity reduction and dispersion efficiency can be achieved when used in combination with pigment-derivative viscosity-reducing additives.

RECOMMENDED DOSAGE

KOBOND™ 3057 is generally recommended to be added before the grinding stage.

Typical dosage levels, based on pigment weight, are:

- **Inorganic pigments:** 1-5%
- **Organic pigments:** 20-50%

KOBOND™ 3057 Dispersing Agent

- **Nano inorganic materials:** 20-30%
- **Carbon black:** 40-100%

The optimal dosage should be determined by formulation testing.

PACKING

KOBOND™ 3057 is supplied in 25Kg pail and 200Kg 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

When stored at temperatures between 10°C and 35°C in the original unopened containers, KOBOND™ 3057 has a shelf life of 24 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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.