



D-410

Polyurethane dispersant

Overview

D-410 is a polyurethane-based wetting and dispersing agent primarily designed for solvent-based coatings, pigment dispersions, and printing inks with high pigment loading. It effectively wets, disperses, and stabilizes inorganic pigments, significantly reducing grinding viscosity.

Physicochemical Properties

Appearance	Yellow-brown liquid	Composition	Polyurethane copolymer
Solid Content	50.0±2.0 %	Solvent	NBAC/PMAC/BCS
Density	0.96 g/ml		

Characteristics and Advantages

- Improves pigment wetting, reduces grinding time.
- Stabilizes pigments by preventing flocculation.
- Significantly reduces grinding viscosity, allowing for higher pigment loading.
- Suitable for dispersing inorganic pigments, especially titanium dioxide, enhancing color development, gloss, and coverage.
- Reduces overspray when coatings containing inorganic pigments are applied by electrostatic spraying.

Dosage

Before grinding, add:

For inorganic pigments: 2-5%

For organic pigments: 2-5%

Application

Solvent-based inorganic pigment system for preparing high-concentration titanium dioxide and inorganic pigment slurries.

Precautions & Storage

Product storage should be in a cool, well-ventilated area with containers tightly sealed and kept away from heat and sources of ignition. Store between 0-40 °C. Below 5 °C, the appearance may become turbid or separate. Heat to clarify and stir thoroughly before use.

Safety

Refer to MSDS

Packaging

25 KG/barrel