

NACODISPER-5-1

Wetting and dispersing additive for water-borne automotive and industrial coatings to stabilize inorganic pigments, suitable for stabilizing carbon blacks with a fine particle size as well as organic pigments in water-borne coatings.

Product Data

Composition

High molecular weight polymer

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Appearance: Yellowish liquid

Amine value: 11 mg KOH/g

Density (20 °C): 1.03 g/ml

Storage and Transportation

Mix well before use. Separation or turbidity may occur. Heat to 30-50 °C and stir.

Applications

Coating Industry

Special Features and Benefits

The additive deflocculates pigments by means of steric stabilization. As a result of the small particle sizes of the deflocculated pigments, high levels of gloss can be achieved and the color strength is improved. Transparency and hiding powder also increase and viscosity is reduced. In this way, the flow characteristics are also improved and higher pigment loading is possible.

Recommended Use

Particularly recommended for industrial and automotive coatings, architectural and protective coating systems.

Recommended Levels

Amount of additive (as supplied) based upon pigment.

Inorganic pigments: 10-15 %

Titanium dioxides: 5- 6 %

Organic pigments: 30-90 %

Carbon black: 7-20%

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Technical Data Sheet

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

For optimum performance, the additive must be incorporated into the millbase before addition of pigments.

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