

AFCONA-5586



Chemical Composition

Fatty acid-modified polyurethane.

Product general description

Water-based high molecular weight dispersant based on a special polyurethane structure.

Product Properties

AFCONA-5586 is designed for preparing universal pigment pastes (for both water and oil systems) and pigment pastes for water-based industrial coatings. It can be used as the primary dispersant for most commercially available inorganic and organic pigments.

As a primary dispersant, AFCONA-5586 stabilizes carbon black and other organic pigments, and also disperses inorganic powders such as TiO_2 .

AFCONA-5586 is amphoteric and does not use water as a direct solvent; therefore, its pigment paste can also be incorporated into solvent-based systems like long-oil alkyds for architectural decoration applications.

AFCONA-5586 is essentially VOC-free and environmentally friendly.

Note: AFCONA-5586 may become hazy when stored at or below 5°C . Heat to 50°C and stir thoroughly before use. This will not affect the quality.

Product Specification

Non-volatile matter	$\geq 96\%$ (120°C , 0.5h)
Density	1.08 - 1.12 g/cm^3 (20°C)
Amine value	10 - 25 mg KOH/g
Gardner color	Max.9
Flash point	$>100^\circ\text{C}$
Appearance	Yellow, slightly hazy liquid (25°C)

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

Universal colorant:

Inorganic pigment: 5 - 10%

Organic pigment: 10 - 20%

Primer/intermediate coat:

0.5 - 1.5% based on total formulation

Incorporation

AFCONA-5586 should be added before grinding or post-added as an additive to improve colourant acceptance and colour development.

Storage

AFCONA-5586 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 3 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

30kg and 210 kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.