

AFCONA-5585



Chemical Composition

Specialty water-based polyurethane.

Product general description

Solvent-free wetting and dispersing agent based on water-based polyurethane resin, applied in industrial coatings as well as architectural coatings.

Product Properties

AFCONA-5585 is a newly designed water-based polyurethane dispersant. It is suitable for the preparation of solvent-based and water-based pigment concentrates. It can also be used in water-based industrial coatings as the main dispersant.

The characteristics and recommended systems for AFCONA-5585 are as follows:

- 1) AFCONA-5585 can stabilize carbon blacks and all organic pigments when used as the main dispersant. It can also be used to disperse TiO₂ and other inorganic pigments.
- 2) AFCONA-5585 is soluble, not only in water but also in organic solvents. Therefore, the concentrate can be prepared in solvent systems, such as long oil alkyd, etc. It can also be applied in architectural coatings.
- 3) AFCONA-5585 is VOC-free and environmentally friendly.
- 4) AFCONA-5585 can be used to grind white masterbatch, and it also helps in the preparation of other colorants on sale, and reduces or even solves the problems of color separation.

Note: AFCONA-5585 may become slightly hazy when stored at or below 5°C. Heat up to 50°C and mix well before use. This will not affect the quality.

Product Specification

Non-volatile matter	≥96% (120°C, 0.5h)
Density	0.99 - 1.13 g/cm ³ (20°C)
Amine value	17 - 25 mg KOH/g
Flash point	>100°C
Appearance	Yellow with 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/Under coat:

0.5 - 1.5% on total formula

Incorporation

AFCONA-5585 can be incorporated before grinding or post-added as an additive to improve color masterbatch acceptance and color development.

Storage

AFCONA-5585 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

25kg and 200 kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.