

AFCONA-5280



Chemical Composition

Ionic copolymer with pigment affinity groups.

Product general description

Wetting and dispersing additive for solvent-based coatings.

Product Properties

AFCONA-5280 is overall the best conventional wetting and dispersing additive. It is economical and still gives very good performance in pigment stabilization. The performance of AFCONA-5280 is close to high molecular weight dispersing agents.

The characteristics and recommended systems for AFCONA-5280 are as follows:

- 1) Very good performance in alkyd-based systems like NC, stoving paint and air-drying alkyd.
- 2) Suitable for oil and solvent-based printing inks. It has very good alcohol solubility.
- 3) A good co-grinding agent for all solvent-based systems.
- 4) When combined with the universal resin AFCONA-1102, it is recommended for the preparation of universal pigment concentrates. These pigment concentrates have the following advantages:
 - Easy incorporation (even by hand stirring) into NC, thermoplastic acrylic, CAB, and polyurethane.
 - Economical, because AFCONA-5280 is supplied in nearly 100% active ingredient version.
 - Good pigment stability for most pigments, even with PV23.

Note: AFCONA-5280 may become slightly hazy when stored at or below 5°C, but this does not affect its quality.

Product Specification

Non-volatile matter	≥96% (150°C, 0.5h)
Density	0.95 - 1.05 g/cm ³ (20°C)
Acid value	25 - 40 mg KOH/g
Amine value	20 - 35 mg KOH/g
Flash point	>100°C
Appearance	Dark brown viscous liquid (25°C)

Addition and dosage

0.5 - 1.5% based on TiO₂ or extenders
 3.0 - 5.0% based on other inorganic pigments
 10 - 30% based on organic pigments

Incorporation

AFCONA-5280 should be added before the dispersion process.

Storage

AFCONA-5280 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

30kg and 200kg 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.