

AFCONA - 5285



Chemical Composition

Anionic co-polymer with acidic groups.

Product general description

Wetting and dispersing additive for solvent based paints.

Product Properties:

AFCONA-5285 is an acidic termination of alkyl ethoxylated co-polymer. The acidic group gives very good anchoring effect in base pigments like inorganic as well as matting agents. It will help in viscosity reduction of filler and extender dispersions.

AFCONA – 5285 has below special properties and recommended in below systems:

- 1) Very good dispersant for matting agent pastes. Gives better transparency compared to AFCONA – 4010
- 2) Very good in viscosity reduction. Therefore, suitable as dispersant for high filler loaded systems
- 3) Also suitable for oil and solvent- based printing inks especially for inorganic pigment and filler dispersions in alcohol rich systems
- 4) It's also help to reduce the interfacial tension between pigments or extenders and the vehicle. Therefore, it will help to shorten the grinding time
- 5) It's can be used in all resin systems ranging from none polar to high polar systems like air dry alkyd, acid curing, polyurethane and epoxy
- 6) It's also suitable for all kind of pigment ranging from inorganic, organic and carbon black. It is also suitable for co-grinding.

Note: AFCONA – 5285 will become hazy or even crystallize at temperatures below 15° C. Re-heat the material before use if crystallization happens. This will not influence the quality of AFCONA - 5285.

Product Specification

Non-volatile matter	≥ 95% (120°C,0.5h)
Density	1.05 – 1.09 g/cm ³ (20°C)
Acid value	100 – 105 mgKOH/g
Flash point	>100°C
Gardner color	Max.8
Appearance	Clear to slightly hazy, yellow 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 pigment.

For air dry alkyd, the optimal dosage is 0.07% based on total formulation. This dosage suitable for organic and inorganic pigments in separate grinding or co-grinding.

Incorporation

AFCONA-5285 should be added prior to the pigment dispersion process.

Storage

AFCONA-5285 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

30kg and 210 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.