

AFCONA - 5207



Chemical Composition

Hydroxyl functional unsaturated modified carboxylic acid with pigment affinity groups

Product general description

Wetting and dispersing additive for solvent-based architectural and decorative paints, also a very suitable dispersant for printing ink. .

Product properties

AFCONA-5207 is in overall a good conventional wetting and dispersing additive. It is a very economical dispersant with good performance in pigment stabilizing. However, AFCONA – 5280 will perform better in all aspects and is more close to our high molecular weight dispersants than AFCONA – 5207.

AFCONA – 5207 has below special properties and recommended in below systems:

- 1) AFCONA-5207 is a very good wetting and dispersing agent for air drying alkyds. It can stabilize most of the pigments that commonly used in these systems.
- 2) AFCONA – 5207 also proved to be a good dispersing agent for printing ink systems, oil based as well as solvent-based.
- 3) AFCONA – 5207 also can be used in thermoplastic acrylics, NC combinations, acid curing systems and baking paints.
- 4) If higher performances are needed, AFCONA – 5280 is recommended. This gives better results in all aspects compared to AFCONA – 5207.

Note: AFCONA – 5207 will be cloudy and crystallized at temperatures below 5° C. Heat up until homogeneous. This will not influence the performance.

Product Specification

Non-volatile matter	≥96%(150°C*0.5h)
Density	0.93 – 0.96 g /cm ³ (20°C)
Amine Value	50 - 70 mgKOH/g
Flash point	>100°C
Gardner color	Max. 13
Appearance	Transparent, Brownish 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 - 20% based on organic pigments.

Incorporation

AFCONA-5207 should be added prior to the pigment dispersion process.

Storage

AFCONA-5207 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaing

25kg and 190kg non-returnable plastic containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.