

AFCONA-5207



Chemical Composition

Ammonium salt of a hydroxyl-terminated unsaturated polycarboxylic acid with pigment anchoring groups.

Product general description

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

Product properties

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

The characteristics and recommended systems for AFCONA-5207 are as follows:

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

Note: AFCONA-5207 may be cloudy and crystallized when stored at or below 5°C. Warming restores homogeneity. This will not affect 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 mg KOH/g
Gardner color	Max. 13
Flash point	>100°C
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 before pigment dispersion.

Storage

AFCONA - 5207 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

25kg and 190kg non-returnable containers

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

AFCONA ADDITIVES

Web Site : www.afcona.com

This information and all further technical advice are based on our present knowledge and experience. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used. We reserve the right to make any changes according to science and technological progress or further developments.

This version replaces all previous ones.