

AFCONA-5009



Chemical Composition

Unsaturated polyamide and carboxylate salts.

Product general description

Ionic wetting and dispersing agent to improve wetting on pigment and organically treated Bentonite surfaces.

Product Properties

AFCONA-5009 is an economical-grade additive for pigment dispersion. It reduces the interfacial tension between pigments or fillers and the resin binder. It stabilizes the pigments through electrical charge repulsion forces.

The characteristics and recommended systems for AFCONA-5009 are as follows:

- 1) AFCONA-5009 is a very compatible polymer, so it can be used in all resin systems, ranging from non-polar to high polar systems.
- 2) AFCONA-5009 is often used in primers and some decorative paints. It is also widely used in marine and heavy-duty paints, as these paint systems do not require very high gloss finishing and the chemical and physical properties are more important than the general film appearance.
- 3) Using AFCONA-5009 also decreases pigment sedimentation through hydrogen bond formation. However, for better anti-settling performance, products like AFCONA-5066 and AFCONA-5071 would perform better.
- 4) AFCONA-5009 is best fit for long oil, medium oil, short oil, NC, TPA, acid curing, polyurethane and epoxy systems.

Note: AFCONA-5009 will become slightly hazy at temperatures $\leq 18^{\circ}\text{C}$ and may crystallize at below 5°C . Heat up and mix thoroughly. That will not influence either the performance and quality of final product.

Product Specification

Non-volatile matter	74 - 78% (150°C, 0.5h)
Solvent	Xylene/1,2-Propanediol
Density	0.885 - 0.905 g/cm ³ (20°C)
Acid value	130 - 150 mg KOH/g
Flash point	51°C
Appearance	Clear, yellow to brownish liquid (25°C)

Addition and dosage

0.2 - 2.0% based on inorganic pigments
 2.0 - 5.0% based on organic pigments
 For Bentonite gels, use 15 - 30% on the Bentonite.

Incorporation

When used in mill-bases, add before grinding.

Storage

AFCONA-5009 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 180kg 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.