

AFCONA - 5009



Chemical Composition

Unsaturated polyamide and carboxylic acid salt.

Product general description

HAAnionic/cationic wetting and dispersing additive to improve the wetting property of pigment surfaces and organic bentonite.

Product Properties:

AFCONA-5009 is an economy grade of additive for pigment dispersion. It reduces the interfacial tension between pigments or extenders and the vehicle. It stabilizes the pigments through electrical charge repulsion forces.

AFCONA – 5009 has below special properties and recommended in below systems:

- 1) AFCONA – 5009 is a very compatible polymer. It can be used in all resin systems, ranging from none polar to high polar systems.
- 2) Often, AFCONA – 5009 is used in primer and some decorative paint. It 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 appearance.
- 3) Using AFCONA – 5009 will also decreased pigment sedimentation, because it will induce hydrogen bond formation in the system. However, for better anti-settling products like AFCONA – 5066 and AFCONA – 5071 will perform much better.
- 4) AFCONA – 5009 are best in long oil, medium oil, short oil, NC, TPA, Acid curing, polyurethane and epoxy system. And it has better cost ratio.

Note: AFCONA – 5009 will become slightly hazy at temperatures below 18° C and become crystallization below 5° C. Heat up and well-mixed, It will not influence 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 application of bentonite gel: 15-30% based on bentonite.

Incorporation

AFCONA-5009 should be added prior to the dispersion process.

Storage

AFCONA-5009 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

25kg and 180 kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com/www.afcona.com.my

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This version replaces all previous ones.