

AFCONA-5208



Chemical Composition

Unsaturated polyamide and carboxylate salts.

Product general description

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

Product Properties

AFCONA-5208 is the solvent-free version of AFCONA-5008.

It reduces the interfacial tension between pigments and/or extenders and the resin binder. It stabilizes the pigments through electrical charge repulsion forces.

The characteristics and recommended systems for AFCONA-5208 are as follows:

- 1) AFCONA-5208 is a very compatible polymer. It can be used in all resin systems, ranging from none to high polar.
- 2) AFCONA-5208 can be used as a universal wetting and dispersing additive in various industrial coating systems, handling all types of pigments while offering moderate performance at low cost.
- 3) Using AFCONA-5208 will also decrease pigment sedimentation.
- 4) AFCONA-5208 is solvent-free and can be used in areas where VOCs and benzene series are strictly controlled.
- 5) In the dispersion of organically treated Bentonite, the use of AFCONA-5208 offers the following advantages:
 - shorter dispersion time
 - easier handling of the Bentonite gel
 - improved storage stability

Note: AFCONA-5208 may become slightly hazy when stored at or below 5°C but warming restores homogeneity. This will not affect either product performance and the quality of the finished coating.

Product Specification

Non-volatile matter	≥96% (150°C, 0.5h)
Density	0.90 - 0.94 g/cm ³ (20°C)
Acid value	17 - 27 mg KOH/g
Amine value	35 - 50 mg KOH/g
Flash point	>100°C
Appearance	Clear, brownish liquid (25°C)

Addition and dosage

0.1 - 1.5% based on inorganic pigments
 1.0 - 3.0% based on organic pigments
 For Bentonite gels, use 15 - 30% on the Bentonite.

Incorporation

When used in mill-bases, add before grinding.
 For Bentonite dispersions, use as follows:

87 - 88.5	parts of solvent
10	parts of Bentonite
3 - 1.5	parts of AFCONA-5208

100 parts	

Storage

AFCONA-5208 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

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This version replaces all previous ones.