

AFCONA - 5208



Chemical Composition

Unsaturated polyamide and carboxylic acid salt.

Product general description

Ionic wetting and dispersing additive to improve the wetting of pigment and organically treated bentonite.

Product properties

AFCONA-5208 is the 100% version of AFCONA - 5008. It reduces the interfacial tension between pigments or extenders and the resins. It stabilizes the pigments through electrical charge repulsion forces.

AFCONA – 5208 has below advantages and recommended in below applications:

- 1) AFCONA-5208 is a very easy to be combined polymer, and can be used in all kinds of resin systems, from non-polarity to high polarity systems.
- 2) AFCONA-5208 can be used as universal dispersant to deal with various pigments in all kinds of industrial paints with right performance and low costs.
- 3) AFCONA-5208 can reduce the possibility of pigment settling.
- 4) Solvent free. It is good choice where VOC and benzene compounds are restricted.
- 5) The advantages of AFCONA-5208 to disperse organic bentonite as below:
 - Shorten the dispersing period.
 - Easier for organic bentonite treatment.
 - Enhance the stability of storage.

Note: AFCONA – 5208 will become hazy or crystallized below 5° C. Heat up and well-mixed, this will not influence its performance.

Product Specification

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

Addition and dosage

0.1 - 1.5% based on inorganic pigments
1.0 - 3.0% based on organic pigments

Bentonite Gelling: 15 -30% based on bentonite.
Recommended formula:

Solvent	87 - 88.5
Bentonite	10
AFCONA-5208	3 - 1.5

Total 100.0

Incorporation

When used in mill-bases, add before grinding.
For Bentonite gelling preparation, please see above recommended formulation and processing procedure.

Storage

AFCONA-5208 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

Packaing

25 kg and 180 kg non-returnable containers

For product safety information: please take reference of 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.