

# 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 <sup>3</sup> (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
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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

## Packaging

25 kg and 180 kg non-returnable containers

**For product safety information: please take reference of SDS.**

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.