

AFCONA-5244



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-5244 is the high solid version of AFCONA-5044, with an active content of nearly 100%, and is specially designed for high-solid systems where the presence of solvents must be limited. As a pigment dispersing additive, it reduces the interfacial tension between pigments and/or extenders and the resin binder, and stabilizes the pigments through electrical charge repulsion forces. AFCONA-5244 exhibits the same performance as AFCONA-5044. For detailed information, please refer to the special properties and recommended applications of AFCONA-5044.

Due to the nearly 100% active solids, AFCONA-5244 is very suitable for solvent-free and high solid systems like:

- 1) epoxies and polyurethane primers
- 2) UPE applications like gel coat, buttons, SMC, BMC, etc
- 3) PVC systems

AFCONA-5244 may replace AFCONA-5044 in solvent-free and high solid systems. The correct dosage shall be calculated on solid.

Note: AFCONA-5244 may become slightly hazy when stored at or below 5°C. However, this will not affect the quality.

Product Specification

Non-volatile matter	≥ 96% (120°C, 0.5h)
Density	0.98 - 1.02 g/cm ³ (20°C)
Acid value	50 - 70 mg KOH/g
Amine value	7 - 15 mg KOH/g
Flash point	>100°C
Appearance	Clear to slightly hazy, yellow/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 10 - 30% on the Bentonite.

Incorporation

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

87.0 - 89.0	parts of solvent
10	parts of Bentonite
1.0 - 3.0	parts of AFCONA-5244

100 parts	

Storage

AFCONA-5244 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 200kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.