

AFCONA - 5244



Chemical Composition

Unsaturated polyamide and acid ester salts.

Product general description

Anionic/cationic wetting and dispersing additive to improve the wetting of pigment surfaces and organically treated Bentonites. A 100% active solid version of AFCONA – 5044.

Product properties

AFCONA – 5244 is the nearly 100% active solid version of AFCONA - 5044. Especially designed for high solid systems where the presence of solvents must be limited.

AFCONA-5244 is an additive to help pigment dispersion. It reduces the interfacial tension between pigments or extenders and the vehicle. It stabilizes the pigments through electrical charge repulsion forces.

Compared to the same active solid AFCONA – 5244 has the same properties as AFCONA – 5044. For details, please refer to the special properties and recommendations of AFCONA 5044.

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

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

Because AFCONA-5244 has the same properties as AFCONA-5044 it could replace AFCONA-5044 on the same solid level.

Note: AFCONA – 5244 will become slightly hazy at temperatures below 5°C. However, this will not influence the quality.

Product Specification

Non-volatile matter	≥ 96% (120°C,0.5h)
Density	0.98 – 1.02 g /cm ³ (20°C)
Amine value	7 - 15 mgKOH/g
Acid Value	50 – 70 mgKOH/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 Bentonites.

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 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 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.