

AFCONA - 5254



Chemical Composition

High molecular weight carboxylic acid salts.

Product general description

Wetting and dispersing additive to prevent sedimentation and flooding of pigments.

Product properties

AFCONA-5254 helps to prevent interfacial tension between the hydrophilic pigments / extenders and the binder, forming a lattice structure with the pigments at the same time. It stabilized pigment through electrical charge repulsion forces.

AFCONA – 5254 gives very wide compatibility with almost all resins systems, and it also can give a little bit thixotropy in dispersion to prevent floating, flood and anti-settling.

AFCONA - 5254 is solvent-free. No VOCs problem.

The advances and recommended applications of AFCONA - 5254 as below:

- 1) AFCONA – 5254 mainly is used in primers and decorative paints. It also widely used in marine and heavy duty paints.
- 2) AFCONA-5254 is ideal for dispersing organophilic Bentonites, because it reduces dispersion time, improves the storage stability of the final paste and gives a thixotropic, easily processed paste-product.
- 3) AFCONA-5254 is especially suitable for non-polar to medium-polar binder systems, i.e. air-drying alkyd resins, chlorinated polymers, alkyd/amino resin combinations and epoxies.
- 4) AFCONA-5254 can cause discoloration in nitrocellulose varnishes and cause gel in certain UPE resin.

Product Specification

| | |
|---------------------|---|
| Non-volatile matter | ≥96%(150°C,0.5h) |
| Density | 0.88 – 0.92 g /cm ³ (20°C) |
| Amine Value | 92 - 102 mgKOH/g |
| Acid Value | 97 - 107 mgKOH/g |
| Flash point | >100°C |
| Appearance | Transparent, brown viscous liquid(25°C) |

Addition and dosage

0.2 - 2.0% based on inorganic pigments
10.0 - 30.0% based on Bentonites

Incorporation

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

| | |
|-----------|----------------------|
| 87-89 | parts of solvent |
| 10 | parts of Bentonite |
| 3- 1 | parts of AFCONA-5254 |
| ----- | |
| 100 parts | |

Storage

AFCONA-524 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 180 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.