

AFCONA - 4008



Chemical Composition

Modified polyurethane polymer.

Product general description

Polymeric dispersant mainly for inorganic pigments and some organic pigments.

Product Properties:

AFCONA-4008 is a high molecular weight polymeric dispersant. Compare to other AFCONA PU grade dispersants the viscosity reduction property of AFCONA -4008 is not too strong, this is due to the polar groups. however, this is not a necessary disadvantage, because not all mill bases need strong viscosity reduction.

The special properties and recommended systems of AFCONA – 4008:

- 1) Due to its particularly good combination of price and performance, AFCONA – 4008 is a very attractive product to substitute conventional wetting and dispersing agents in all kind of coating systems.
- 2) AFCONA – 4008 can be used as post adding additive to correct flooding and floating in all solvent-based paints. If used in mill bases as co-grinding dispersant, the anti-flooding and floating property is also good.
- 3) The pigment concentrate based on AFCONA – 4008 gives very unique properties like:
 - not easy dry up.
 - very wide compatibility.
 - economic.

Note: AFCONA – 4008 will become slightly hazy at temperature 5° C and below, but this will not influent the quality.

Product Specification

| | |
|---------------------|---|
| Non-volatile matter | 50 - 54%(150°C,0.5h) |
| Solvent | Butylacetate/Xylene/ PMA/Sec-butanol |
| Density | 0.96 – 1.00 g/cm ³ (20°C) |
| Acid Value | 8 - 18 mg KOH/g |
| Amine Value | 6 – 16 mg KOH/g |
| Flash point | 39°C |
| Gardner color | Max.6 |
| Appearance | Transparent, yellow liquid(25°C) |

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

| | |
|----------------------|----------|
| Titanium dioxide : | 2 - 4% |
| Inorganic pigments : | 2 - 5% |
| Organic pigments : | 20 - 40% |
| Carbon blacks : | 20 - 50% |

Incorporation

AFCONA-4008 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4008 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 200 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.