

AFCONA-4008



Chemical Composition

Modified polyurethane polymer.

Product general description

A high molecular weight polymeric dispersant with pigment anti-flocculation properties.

Product Properties

AFCONA-4008 is a high molecular weight polymeric dispersant. Compared to other AFCONA PU grade dispersants, its viscosity reduction property is relatively moderate, which is attributed to its polar groups. However, this is not necessarily a disadvantage, because not all mill bases need strong viscosity reduction.

The characteristics and recommended systems of AFCONA-4008 are as follows:

- 1) Due to its particularly good price/performance ratio, AFCONA-4008 is a very attractive product for replacing conventional wetting and dispersing agents in all kinds of coating systems.
- 2) AFCONA-4008 can be used as a post-additive to correct flooding and floating in all solvent-based paints. When used in mill bases as co-grinding dispersant, it also provides effective anti-flooding and anti-floating properties.
- 3) Pigment concentrates based on AFCONA-4008 give unique properties like:
 - Resistance to drying out.
 - Very wide compatibility.
 - Cost-effectiveness.

Note: AFCONA-4008 may become slightly hazy when stored at or below 5°C, but this will not influence the quality.

Product Specification

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

Addition and dosage

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

TiO ₂ :	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 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 200 kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.