

AFCONA - 4200



Chemical Composition

Modified polyurethane polymer.

Product general description

High molecular weight polymeric dispersant for deflocculation of all type of pigments.

Product Properties:

AFCONA-4200 is a result of an innovative concept of polyurethane dispersants. This innovative technology is based on an own new developed intermediate monomer and own new developed anchoring groups.

AFCONA – 4200 has below special properties and recommended in below systems:

- 1)The unique structure of AFCONA – 4200 gives very good compatible with system where normal dispersants are not compatible with, this is due to our innovative intermediate.
- 2)Thus, AFCONA – 4200 give exceptional good performance in system where normal dispersants are not compatible with, such as TPA+CAB, low wetting property TPA and other difficult compatible solvent based systems.
- 3)AFCONA – 4200 supply in almost 100% active ingredient, thus it also suitable for high solid coating like Polyurethane and UV coating.

Note:

- 1)AFCONA – 4200 will become slightly hazy at temperatures below 5° C. Even at -15° C the slight haziness stay the same. This will not influence the quality.
- 2)There may be some slight thixotropic behavior. This is due to the catalyst that we use during polymerization. But this will not influence the overall performance of AFCONA – 4200.

Product Specification

Non-volatile matter	≥96% (150°C, 0.5h)
Density	1.05 - 1.08 mg/cm ³ (20°C)
Amine Value	10 - 20 mg KOH/g
Gardner color	Max.6
Flash point	>100°C
Appearance	Clear to slightly hazy, viscous liquid (25°C)

Addition and dosage

Calculation method for the required amount of AFCONA-4200 on pigment:

TiO ₂ :	2 - 3%
Other inorganic pigments :	2 - 4%
Organic pigments :	20 - 40%
Carbon blacks :	20 - 60%

Incorporation

AFCONA-4200 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4200 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

30kg and 200 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.