

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

Active ingredients	≥ 96%
Density at 20 °C	0.93 – 0.98g/cm ³
Amine value	10 - 20 mg KOH/g
Flashpoint	>100°C
Colour	Max 6

Addition and dosage

Calculation method for the required amount of active ingredient 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

25 kg and 190 kg non-returnable containers