

AFCONA – 4701



Chemical Composition

Modified polyacrylate polymer based on CRP technology

Product general description

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

Product Properties

AFCONA-4701 is an effective polymeric dispersant based on AFCONA CRP technology. It has excellent performances in stabilizing inorganic and organic pigments. It has very good stability performance in carbon black dispersion where a very high jetness can be achieved. In metallic systems, it gives a golden undertone for high channel black dispersion.

This results in:

- improved gloss and DOI
- reduced flooding problems
- higher colour strength
- lower viscosity

AFCONA – 4701 is an improve version of AFCONA 4700 in organic pigments. In Carbon black both products has almost the same performance.

AFCONA 4701 has below special properties and recommended in below systems:

- 1) AFCONA – 4701 has very good viscosity reduction in all pigments.
- 2) AFCONA – 4701 increase tremendously the jetness blue undertone of a high channel black.
- 3) In overall, AFCONA – 4701 gives better transparency for all organic pigments (excluding the good hiding pigments).
- 4) AFCONA – 4701 can be used in all solvents systems except systems that used white spirit or low aromatic hydrocarbon as solvent.

Note: AFCONA – 4701 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

Active ingredients	48 – 52%
Solvents	Methoxy Propyl Acetate
Refractive index	1.02 - 1.05
Amine value	15 - 25 mg KOH/g
Flashpoint	44°C

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-4701 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4701 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