

AFCONA-4590



Chemical Composition

Modified polyacrylate polymer.

Product general description

High molecular weight dispersing agent for color acceptance and resin free pigment concentrate preparation.

Product Properties

AFCONA-4590 is a very effective polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon blacks. Through effective steric hindrance, it offers very good stability performance for all types of pigments. Its performance is comparable to that of AFCONA-4570, but at lower cost.

AFCONA-4590 has the following advantages:

- Higher gloss
- Good viscosity reduction property
- Anti-flocculation
- Reduction of floating and flooding
- Improved color acceptance

AFCONA-4590 can be used in water-based and solvent-based coating systems, such as decorative paints and general industrial paints. It is best suited for high-solid, aromatic-free long oil alkyds.

AFCONA-4590 can also improve the color acceptance of coating systems when used with commercially available or standard water-based and solvent-based concentrates, as well as general water-based and solvent-based concentrates.

Note: AFCONA-4590 may become slightly hazy when stored at or below 5°C. That will not influence the quality.

Product Specification

Non-volatile matter	40 - 43% (150°C,0.5h)
Solvent	Tripropylene glycol monomethyl ether/Water
Density	1.02 - 1.06 g/cm ³ (20°C)
Amine value	34 - 50 mg KOH/g
Gardner Color	Max.8
Flash point	>100°C
Appearance	Transparent to slightly hazy, brownish liquid (25°C)

Addition and dosage

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

TiO ₂	: 2-3%
Other inorganic pigments	: 2-5%
Organic pigments	: 20-40%
Carbon blacks	: 20-60%

Incorporation

AFCONA-4590 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4590 shall be stored in cool, dry and freeze-proof place. Shelf-life is 3 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

30kg and 200kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.