

AFCONA-4570



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-4570 is a very effective polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon blacks. Through effective steric hindrance and electrostatic repulsion, it offers very good stability performance for all types of pigments.

AFCONA-4570 offers the following advantages:

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

AFCONA-4570 is a polymeric dispersant based on modified polyacrylate for use in water and solvent-based decorative (especially for high solid aromatic free long oil alkyds) and industrial coatings.

In solvent-based universal pigment concentrates, AFCONA-4570 can be used in combination with AFCONA-1102. For water-based pigment concentrates AFCONA-4570 can be used alone to make resin-free pigment concentrates.

AFCONA-4570 is also very effective in improving color acceptance of commercial colorants in decorative base paints for water and solvent-based tinting systems.

Note: AFCONA-4570 may become slightly hazy when stored at or below 5°C. That will not influence the quality.

Product Specification

Non-volatile matter	58 - 60% (150°C, 0.5h)
Solvent	Tripropylene glycol monomethyl ether
Density	1.01 - 1.03 g/cm ³ (20°C)
Amine value	40 - 50 mg KOH/g
Gardner color	Max.8
Flash point	>100°C
Appearance	Transparent, yellow liquid (25°C)

Addition and dosage

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

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

Incorporation

AFCONA-4570 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4570 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

25kg 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.