

AFCONA-4215



Chemical Composition

Modified block co-polymer.

Product general description

High molecular weight dispersant for water-based industrial coatings, preventing pigment flocculation and providing strong viscosity reduction.

Product Properties

AFCONA-4215 is a comb-like structured high molecular weight dispersant. It has excellent viscosity reduction, stability, wetting and dispersing properties for inorganic pigments & fillers, organic pigments and carbon blacks.

AFCONA-4215 is recommended to use in the preparation of resin-free pigment concentrates. It can also be used in all kinds of water-based decorative coatings and industrial coatings. It significantly reduces the viscosity of pigment pastes while exhibiting low foaming behavior, ensuring that foam generated during dispersion and milling does not affect pigment processing efficiency.

AFCONA-4215 has the following advantages:

- Excellent viscosity reduction;
- Low foam stabilization behaviour;
- Prevention of flocculation and floating;
- Minimal impact on water resistance;

Note: AFCONA-4215 may show low-temperature precipitation and reduced flow-ability when stored below 4°C. It should be warmed up to room temperature and mixed thoroughly before use. That will not influence the quality.

Product Specification

Non-volatile matter	≥96%(120°C,0.5h)
Density	1.06 - 1.09 g/cm ³ (20°C)
Acid Value	20 - 30 mg KOH/g
Flash point	>100°C
Appearance	Clear to slightly hazy, 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	: 2-5%
Transparent iron oxide	:20-40%
Organic pigments	:20-50%
Carbon blacks	:20-60%

Incorporation

AFCONA-4215 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4215 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 refer to the SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.