



AFCONA-K216-22

Chemical Composition

Solution of modified polyurethane high molecular weight polymer.

Product general description

High molecular weight dispersant suitable for treating various pigments.

Product Properties

AFCONA-K216-22 is a highly efficient wetting & dispersing agent that well stabilize inorganic, organic and carbon black pigments. It has excellent stability for all kinds of pigments through steric hindrance.

AFCONA-K216-22 can also be used to prepare universal concentrates. It can efficiently decrease the viscosity of pigment concentrates, improve the combination among different pigment pastes and avoid floating problems.

AFCONA-K216-22 is recommended for the preparation of universal concentrates in epoxy systems, such as flooring coatings, where it can solve the film coating color difference caused by prolonged painting processes.

AFCONA-K216-22 offers the following advantages:

- 1) Improve gloss and DOI.
- 2) Decrease floating problems.
- 3) Enhance color strength.
- 4) Reduce the viscosity of the system.

Note: AFCONA-K216-22 may become hazy and crystallize below 5°C. Please heat it up and mix well, this will not affect the performance.

Product Specification

Non-volatile matter	48 - 52% (150°C, 0.5h)
Solvent	Butyl acetate/Propylene glycol methyl ether acetate
Density	0.97 - 1.01 g/cm ³ (20°C)
Refractive index	1.425 - 1.445 (25°C)
Amine value	20 - 30 mg KOH/g
Gardner color	Max.6
Appearance	Transparent, brownish-yellow liquid (25°C)

Addition and dosage

Calculation method for the required amount of non-volatile matter on pigment:

TiO ₂	:2 - 5%
Other inorganic pigments	:5 - 10%
Organic pigments	:20 - 40%
Carbon blacks	:30 - 80%

Incorporation

AFCONA-K216-22 should be added in the mill base before adding the pigments, with additional shear force to ensure thorough mixing.

Storage

AFCONA-K216-22 shall be stored in cool and dry place away from direct sunlight. 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 190kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES
Web Site : www.afcona.com

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This version replaces all previous ones.