

AFCONA-5052



Chemical Composition

Surfactant-modified phosphate polymer.

Product general description

Ionic wetting and dispersing agent for inorganic pigments, such as TiO₂ and extenders.

Product properties

AFCONA-5052 helps to wet and disperse inorganic pigments, mainly transparent iron oxide, TiO₂ and extenders.

The characteristics and recommended systems for AFCONA-5052 are as follows:

- 1) AFCONA-5052 is a highly efficient dispersant, specially designed to disperse transparent iron dioxide, TiO₂ and extenders. It offers good viscosity reduction and, therefore, improved grinding efficiency.
- 2) Due to its viscosity-reducing property, AFCONA-5052 provides excellent viscosity reduction when applied in high filler systems. It can also decrease the viscosity in unsaturated polyester scagliola and allow higher extenders load.

AFCONA-5052 has catalytic properties in amine baking coatings, so it may slowly increase the viscosity of the paint during storage.

Note: AFCONA-5052 may be slightly hazy or cloudy at < 5°C. This will not affect the overall quality.

Product Specification

Non-volatile matter	38 - 42% (120°C, 0.5h)
Solvent	Propylene glycol methyl ether acetate
Density	1.00 - 1.04 g/cm ³ (20°C)
Acid Value	35 - 50 mg KOH/g
Gardner color	Max.6
Flash point	44°C
Appearance	Transparent, pale yellow low-viscosity liquid (25°C)

Addition and dosage

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

Transparent iron oxides	: 10 - 20%
TiO ₂	: 1 - 10%
Other inorganic pigments	: 3 - 10%

Incorporation

AFCONA-5052 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-5052 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 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.