

AFCONA - 5052



Chemical Composition

Surfactant modified phosphate polymer.

Product general description

Ionic wetting & dispersant for inorganic pigments, such as TiO₂ and extender.

Product properties

AFCONA-5052 will improve the properties of wetting and dispersing for TiO₂ and extender.

The characteristic and recommended for below applications:

1, AFCONA-5052 is a high efficient dispersant which specially designed to disperse transparent iron dioxide, titanium dioxide and extenders. It is widely applied for all kinds of coatings. Paint experts are widely familiar that viscosity decreasing will highly improve the efficiency of grinding.

2, Benefit of its viscosity decrease property, AFCONA-5052 will provide excellent viscosity decreasing where applications in high filler systems. It also can decrease the viscosity in unsaturated Scagliola, to full fill with more extenders.

AFCONA-5052 has catalytic action property in amine baking coatings. And it may slowly increase the viscosity of the paint during storage.

Note:AFCONA-5052 may be sightly hazy or cloudy below 5°C. Heating up to clear, this will not influence the quality.

Product Specification

| | |
|---------------------|---------------------------------------|
| Non-volatile matter | 38-42% (120°C,0.5h) |
| Solvent | PMA |
| Density | 1.00 – 1.04 g /cm ³ (20°C) |
| Acid Value | 35 – 50 mgKOH/g |
| Flash point | 44°C |
| Gardner color | Max.6 |
| Appearance | Transparent, yellow liquid(25°C) |

Addition and dosage

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

Transparent iron Oxides : 10 – 20%

TiO₂ : 1 - 10%

Other inorganic pigments : 3- 10%

Incorporation

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

Storage

AFCONA-5052 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

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.