

AFCONA-4058



Chemical Composition

Modified high molecular weight polyurethane polymer solution.

Product general description

It is an high molecular weight dispersant which used to deal with all kinds of organic pigments.

Product Properties:

AFCONA-4058 is an high efficient wetting & dispersing agent. It can stabilize inorganic, organic and carbon blacks extremely well. It has excellent stability for all kinds of pigments through its steric hindrance.

AFCONA-4058 also can be use to prepare universal concentrates. I can efficiently decrease the viscosity of pigment concentrates, improve the combination among different pigment pastes. Avoid floating problems.

AFCONA-4058 is recommended to prepare the universal concentrate in epoxy systems, such as flooring coatings. I can solve the color difference of coating films which caused by long period of painting.

The use of AFCONA-4058 gives the following advantages:

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

Note:AFCONA-4058 might be hazy and crystallized below 5°C. Please heat up and well-mixed, this will not influence the performance.

Product Specification

Non-volatile matter	48 - 52%(150 °C,0.5h)
Solvent	Butyl acetate/ PMA
Density	0.97 – 1.01 g/cm ³ (20°C)
The refractive index	1.425 – 1.445 (25°C)
Amine value	20 - 30 mgKOH/g
Gardner color	Max.6
Appearance	Transparent to brownish 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-4058 should be put before pigments in, incorporated with base materials, and make sure well-mixed.

Storage

AFCONA-4058 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 3 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 190 kg 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.