

# 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<sup>3</sup> (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<sub>2</sub> :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](http://www.afcona.com)

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This version replaces all previous ones.