



# AFCONA - 4063

## Chemical Composition

Modified polyurethane polymer.

## Product general description

High molecular weight polymeric dispersant for deflocculation of all type of pigments.

## Product Properties:

AFCONA-4063 is an effective polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon blacks. It has very good stability performance, through effective steric hindrance, on all type of pigments especially in organic red, yellow and violet pigments.

This results in:

- improved gloss and DOI
- reduced flooding problems
- higher colour strength
- lower viscosity

AFCONA – 4063 has below special properties and recommended in below systems:

- 1) AFCONA – 4063 has very good viscosity reduction especially in carbon black.
- 2) AFCONA – 4063 is used in all industrial for all pigments. It mainly used in Polyurethane, Epoxy, NC, and general industrial baking paints.
- 3) AFCONA – 4063 also can be used as dispersant in preparation of universal pigment concentrates. We recommend a combination with the universal resin, AFCONA – 1102.

Note: AFCONA – 4063 will become slightly hazy at temperature 5°C and below, Heat up and well-mixed, this will not influence the performance.

## Product Specification

Non-volatile matter	44 - 46%(150°C,0.5h)
Solvent	Xylene/BAC/PMA
Amine Value	5 - 15 mg KOH/g
Gardner color	Max.6
Flash point	39°C
Appearance	Clear to slightly hazy, yellow liquid(25°C)

## Addition and dosage

Calculation method for the required amount of AFCONA-4063 on pigment:

TiO <sub>2</sub> :	2 - 3%
Other inorganic pigments :	2 - 4%
Organic pigments :	20 - 40%
Carbon blacks :	20 - 60%

## Incorporation

AFCONA-4063 should be incorporated in the mill base before adding the pigments.

## Storage

AFCONA-4063 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 190 kg non-returnable containers

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.