

# AFCONA - 5585



## Chemical Composition

High molecular weight polyurethane block copolymer with pigment affinity groups.

## Product general description

Solvent-free wetting and dispersing agent which based on water born polyurethane resin, applied in industrial coatings as well as architectural coatings.

## Product Properties:

AFCONA – 5585 is an all-new designed water based polyurethane dispersant. It is suit for preparation of solvent and water based pigment concentrate. It also can be used in water based industrial coating as main dispersant.

The properties and applications of AFCONA-5585 as below:

- 1) AFCONA-5585 can stabilize carbon blacks and all organic pigments when used as main dispersant, It also can be used to disperse TiO<sub>2</sub> and other inorganic pigments.
- 2) AFCONA-5585 is not only soluble in water but also in organic solvent. So the concentrate can be prepared in solvent systems, such as long oil alkyd and etc. And It can be applied in architectural decorations.
- 3) AFCONA-5585 is VOC-free, and environment friendly.
- 4) AFCONA-5585 can be used to grind white-master batch, and it also can help the preparation of other colorant on sell, and to reduce or even solve the problems of color seperation.

Note: AFCONA – 5585 will become hazy at temperature 5C or below. Heat up to 50°C and mix well before use. This will not influence the quality.

## Product Specification

Non-volatile matter	≥96% (120°C,0.5h)
Density	0.99 – 1.13 g/cm <sup>3</sup> (20°C)
Amine Value	17 - 25 mgKOH/g
Flash point	>100°C
Appearance	yellow with slightly hazy Liquid(25°C)

## Addition and dosage

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

Universal colorant:	
Inorganic pigment	:5 - 10%
Organic pigment	:10 - 20%
Primer/Under coat	:0.5-1.5% on total formula

## Incorporation

AFCONA - 5585 should be added prior to the pigment grinding process.

## Storage

AFCONA-5585 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 200 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.