

# AFCONA - 5058



## **Chemical Composition**

Modified phosphate ester polymer

## **Product general description**

Ionic wetting and dispersing agent, which is suitable for dispersion of inorganic pigments in solvent-based coating systems, mainly used for TiO<sub>2</sub>, matting powder, fillers and etc.

## **Product properties**

AFCONA-5058 can help wetting and dispersing inorganic pigments, such as TiO<sub>2</sub>, iron oxide red, fillers, matting powder, and etc.

AFCONA-5058 is recommended for dispersion of matting powder and inorganic pigments. It can prevent sediment while reduce the viscosity of systems. It has good viscosity reducing property in high capacity systems of fillers, make more loading of fillers available in the system.

AFCONA-5058 may accelerate the reaction when applying in amine baking systems, and increase the viscosity of coatings.

Note: AFCONA -5058 may be hazy and crystallized below 2°C. Heat up and well-mixed, this will not influence its performance.

## **Product Specification**

Non-volatile matter	64-68%(120°C,0.5h)
Density	0.945 - 0.985 g/cm <sup>3</sup> (20°C)
Acid Value	250 - 300 mgKOH/g
Flash point	77°C
Gardner color	Max.6
Appearance	Transparent,yellowish liquid (25°C)

## **Addition and dosage**

Calculation method for the required amount of AFCONA - 5058 on pigment:

Matting powder : 10 - 20%

TiO<sub>2</sub> : 1 - 10%

Other inorganic pigments: 3 - 10%

## **Incorporation**

AFCONA-5058 should be incorporated in the mill base before adding the pigments.

## **Storage**

AFCONA-5058 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 190kg non-returnable containers

**For product safety information: please take reference of SDS.**

AFCONA ADDITIVES

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

This information and all further technical advice are based on our present knowledge and experience. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used. We reserve the right to make any changes according to science and technological progress or further developments.

This version replaces all previous ones.