

# AFCONA - 5030-100



## **Chemical Composition**

Polymer of organic carboxylic acid and polyamino amide

## **Product general description**

Cationic wetting and dispersing additive to improve the wetting on surfaces of carbon black, organic/inorganic pigments, and organically modified bentonite.

## **Product properties**

AFCONA-5030-100 is a wetting and dispersing agent, VOC-free. It effectively adsorbs onto various pigment surfaces for modification, thereby reducing grinding and dispersion time, and lowering the viscosity of paste.

AFCONA-5030-100 has below special properties and recommended in below systems:

1) AFCONA-5030-100 is an easily compatible polymer that can be used in systems ranging from low polarity to high polarity. It is recommended for use in polyurethane synthetic leather systems, polyacrylate systems, alkyd and polyester amino systems, as well as polyamide ink systems as pigment dispersing and stabilizing agents;

2) When AFCONA-5030-100 is used in two-component polyurethane systems, the influence of its high ammonia value on the catalytic crosslinking of the system needs to be considered. In epoxy systems, AFCONA-5030-100 exhibits a co-curing effect similar to hardeners and should only be added to the amine component.

Note: AFCONA-5030-100 will become slightly hazy at temperatures below 5°C. This will not influence the quality.

## **Product Specification**

Non-volatile matter	≥96% (150°C,0.5h)
Density	0.93-0.97 g/cm <sup>3</sup> (20°C)
Acid Value	<6 mg KOH/g
Amine value	370-400 mg KOH/g
Flash point	> 100°C
Gardner color	Max.6
Appearance	Dark yellow transparent viscous liquid (25°C)

## **Addition and dosage**

0.5-5.0 % based on inorganic pigments  
20.0-30.0% based on organic pigments  
25.0-40.0% based on carbon black

## **Incorporation**

When used in grinding materials, AFCONA 5030-100 should be added and subjected to shear force before grinding to mix evenly with the base material.

## **Storage**

AFCONA-5030-100 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)

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This version replaces all previous ones.