

# AFCONA – PF143



## Chemical Composition

Carboxylic acid modified with pigment affinic groups.

## Product general description

Wetting and dispersing additive for solvent based system with wide efficiency, from polar to non polar systems.

## Product Properties

AFCONA-PF143 is an excellent product for the realization of direct grinding or pigment concentrates in all the systems where the performances of products having higher molecular weight are not requested..

AFCONA-PF143 posses the following properties and is recommended in the following systems:

- 1) AFCONA-PF143 allow to obtain stable pigment dispersions having low viscosity and good resistance to settling.
- 2) AFCONA-PF143 can be also used as a dispersing agent for printing inks either solvent based or oil based.
- 3) AFCONA-PF143 is compatible in all systems, including thermoplastic acrylics, nitro combined, acid curing systems and stoving enamels.
- 4) AFCONA-PF143 is particularly indicated for the realization of white pigment concentrates for automatic tinting systems, to avoid floating with concentrates realized with polymeric dispersants. In this case a careful evaluation of the amount to use has to be done to avoid negative yellowish influences on the white color.

Note: AFCONA – PF143 will become slightly hazy at temperatures below 5° C. This will not influence the quality of the product that become clear again if stored at temperatures over 5°C.

## Product specification

Active ingredients	≥96%
Density at 20 °C	0.95 g/cm <sup>3</sup> +/- 0,01
Average Amine value	52 mg KOH/g
Colour	max. 13
Appearance	Dark brown liquid

## Addition and dosage

0.5 - 1.5% based on TiO<sub>2</sub> or fillers  
 3.0 - 5.0% based on other inorganic pigments  
 10 - 20% based on organic pigments

## Incorporation

AFCONA-PF143 has to be added to the formulation before the pigment addition.

## Storage

AFCONA-PF143 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

25 kg and 190 kg non-returnable containers