

# AFCONA – PF151



## Chemical Composition

Polyurethane based polymer 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 – PF151 posses the following properties and is recommended in the following systems:

- 1) AFCONA – PF151 allow to obtain stable dispersions of difficult organic pigments with low viscosities.
- 2) AFCONA – PF151 is particularly indicated for the use in high quality systems such as OEM, Refinish, Coil Coatings.
- 3) AFCONA – PF151 is particularly indicated for the dispersion of Carbon blacks where it allows to properly develop the bluish undertone.
- 4) AFCONA – PF151 is compatible in all kind of resin systems if used in direct grinding, for the use in industria pigment concentrates, it presents some limitations in filmogenic systems such as NC and CAB.
- 5) The very high molecular weight of AFCONA – PF151 allow to obtain a strong deflocculation and pigment development with a consequent improving of tinting power, gloss and DOI.

Note: AFCONA – PF151 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	35 % +/- 1%
Solvents	Butylacetate / Methoxy Propyl Acetate/ Isobutanol
Density at 20 °C	0.96 g/cm <sup>3</sup> +/- 0,01
Average Amine value	15 mg KOH/g
Flash point	24°C
Colour	max.3

## Addition and dosage

Calculation method to obtain the right amount of active ingredient on pigment.

Inorganic pigments	: 10% on oil absorption value
Organic pigments	: 25-50% on BET value
Carbon blacks	: 20% on DBP value

## Incorporation

AFCONA – PF151 has to be added to the formulation before the pigment addition.

**Storage** AFCONA – PF151 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