

# AFCONA – PF 1318



## Chemical Composition

Modified polyacrylic polymer

## Product general description

High molecular weight polymeric dispersant for deflocculation of all type of pigments

## Product Properties

AFCONA-PF 1318 is an effective polymeric dispersant for stabilizing inorganic and organic pigments. It has very good stability performance, through effective steric hindrance, on all type of pigments.

This results in:

- improved gloss and DOI
- reduced flooding problems
- high colour strength

AFCONA-PF 1318 is a better compatibility version of AFCONA – 4403. With the special modification it gives lower surface tension on the polymer. This character will allow the dispersant easier to penetrate to the surface of the pigment, thus this gives better wetting and faster grinding.

It has very wide compatibility from low polar to high polar systems, including nitrocellulose and Thermoplastic Acrylic.

AFCONA-PF 1318 can be used in all kinds of high quality solvent-based industrial coatings including automotive topcoats. The best performance is given in the following resin systems:

- Oil free Polyesters
- Thermosetting Acrylics
- Thermoplastic acrylics

AFCONA-PF 1318 is a polar polymer where it gives very good compatibility to difficult polar systems such as NC, wash primer, etc. Pigment paste that based on AFCONA – PF 1318 gives very easy incorporation property.

Note: AFCONA – PF 1318 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

## Product specification

Active ingredients	48 – 52%
Solvent	1-metoxi-2-propanol
Amine value	22 – 32 mg KOH/g
Colour	max. 7

## Addition and dosage

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

TiO <sub>2</sub>	: 2 - 3%
Other inorganic pigments	: 2 - 4%
Organic pigments	: 20 - 40%
Carbon blacks	: 20 - 60%

## Incorporation

AFCONA-PF 1318 should be incorporated in the mill base before adding the pigments

## Storage

AFCONA-PF 1318 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 indicated on the container.

## Packaging

25 kg and 180 kg non-returnable containers