

# AFCONA - 4202



## Chemical Composition

Modified polyurethane polymer.

## Product general description

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

## Product Properties:

AFCONA-4202 is a very compatible polymeric dispersant as it compatible with almost all the resin system in the market ranging from alkyd to NC, CAB, epoxy and thermoplastic acrylic.

Due to it wide compatibility, AFCONA – 4202 is highly recommended for the formulation of solvent based Resin Minimum Pigment Concentrate.

The properties of AFCONA 4202 as below:

- 1) AFCONA – 4202 gives good viscosity reduction and pigment stability.
- 2) AFCONA – 4202 has very good compatibility and performance in common resin systems such as PU, epoxy, polyester/melamine, thermosetting acrylic/melamine, alkyd/melamine, acid curing, NC, UV as well as Thermoplastic Acrylic.
- 3) AFCONA – 4202 supply in almost 100% active ingredients, therefore, it is an excellent dispersant for high solid coatings like Polyurethane, epoxy and UV coating.
- 4) The almost 100% solvent-free form makes it also a very interesting dispersant for ink formulations. This due to the free choice of solvents.

Note:

- 1) AFCONA – 4202 will become slightly hazy at temperatures below 5° C. Even at -15° C the slight haziness stay the same. This will not influence the quality.

## Product Specification

Non-volatile matter	≥90% (120°C,0.5h)
Density	1,05 - 1,09 mg/cm <sup>3</sup> (20°C)
Amine Value	3 - 10 mg KOH/g
Gardner color	Max.13
Flash point	>100°C
Appearance	Clear or slightly hazy, yellow to brownish liquid (25°C)

## Addition and dosage

Calculation method for the required amount of AFCONA-4202 on pigment:

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

## Incorporation

AFCONA-4202 should be incorporated in the mill base before adding the pigments.

## Storage

AFCONA-4202 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

30kg and 210 kg non-returnable containers

AFCONA ADDITIVES

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

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This version replaces all previous ones.