

# AFCONA - 6231



## Chemical Composition

Aliphatic polymer with acidic groups.

## Product general description

Anionic wetting and dispersing agent for inorganic pigments and fillers.

## Product Properties:

AFCONA-6231 is a wetting and dispersing agent for inorganic pigments and fillers in solvent-based, solvent-free and water-based systems. It also helps to improve the color acceptance.

AFCONA – 6231 has below special properties and recommended in below systems:

- 1) Increases pigment loadings in the mill bases or in pigment concentrates. This enables to achieve VOC levels below 250 g/l in high fillers solvent-based systems.
- 2) AFCONA – 6231 can be used in all solvent-based and solvent-free industrial and decorative coatings. It is especially suitable for wetting, dispersing and stabilizing inorganic pigments and fillers in solvent-free epoxies and polyurethanes, like flooring or pip-line coatings.
- 3) AFCONA – 6231 also can be used to decreased the viscosity of water based resin-free pigment concentrates, based on high molecular weight dispersing agent AFCONA – 4560.
- 4) AFCONA – 6231 performs in dispersing and stabilizing inorganic pigments and fillers in water-based decorative paints based on acrylic emulsions, giving better rheology and improved gloss.
- 5) Due to the polyether structure, it also can be used as color acceptance additive.

Note: AFCONA – 6231 will become hazy or even crystallize at temperatures below 15°C. and below. Re-heat the material before use if crystallization happens. This will not influence the quality of AFCONA – 6231.

## Product Specification

Non-volatile matter	≥ 95% (120°C,0.5h)
Density	1.04 – 1.08 g/cm <sup>3</sup> (20°C)
Acid Value	55 - 65 mg KOH/g
Gardner color	Max.8
Appearance	transparent, yellowish to brownish liquid(25°C)

## Addition and dosage

1-3% based on fillers and inorganic pigments.  
5-7% based on organic pigments.

## Incorporation

AFCONA - 6231 when used in mill base should be added before grinding. If it is used in post addition in pigment concentrates, a good dispersion is required.

## Storage

AFCONA-6231 should be stored in a cool dry place, preferable at room temperature ≥ 20° C. Haziness and solidification can take place if the temperature dropped below 15°C. 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.