

# AFCONA - 5210



## Chemical Composition

Solution of an acidic polyester phosphorous compound

## Product general description

Anionic wetting and dispersing additive for inorganic pigments, mainly for TiO<sub>2</sub> and extenders

## Product properties

AFCONA-5210 helps to wet and disperse inorganic pigments, mainly TiO<sub>2</sub>, and extenders. AFCONA-5210 is specially designed as an effective dispersant for TiO<sub>2</sub>. Therefore, it is recommended for pure white systems. However, if later the white base needs to be tinted with other colors, AFCONA-4010 will be more suitable.

AFCONA-5210 has the following special properties and is recommended in the following systems:

- 1) AFCONA-5210 is tailor made as an effective dispersant for TiO<sub>2</sub> and extenders.
- 2) It has very good viscosity reduction properties. In high extender loaded systems, like UPE in artificial marble, AFCONA-5210 gives very strong viscosity reduction to allow higher filler loading.
- 3) Due to the effective viscosity reduction, it also decreases dispersing time.
- 4) AFCONA-5210 is particularly suitable for the following coating systems:
  - Automotive (OEM and refinish)
  - General industrial
  - Coil coating
  - Acid curing
  - UPE
  - Epoxy
  - Polyurethane
- 5) In an electrostatic spraying system for pure white paint, AFCONA-5210 gives the highest gloss performance.

Note: AFCONA-5210 will become slightly hazy at temperatures below 10°C. This will not influence the quality.

## Product Specification

Non-volatile matter	≥95% (120°C, 0.5h)
Acid value	120-140 mg KOH/g
Flash point	>100°C
Appearance	yellow to yellowish brown waxy solid (25°C)

## Addition and dosage

- 1.0 - 4.0% based on TiO<sub>2</sub> or extenders;
- 3.0 - 10.0% based on other inorganic pigments;

## Incorporation

AFCONA-5210 should be added prior to the dispersion process.

## Storage

AFCONA-5210 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 220kg non-returnable containers

AFCONA ADDITIVES

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

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This version replaces all previous ones.