

# AFCONA – 5010



## 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-5010 helps to wet and disperse inorganic pigments, mainly TiO<sub>2</sub>, and extenders. AFCONA – 5010 is special designed as effective dispersant for TiO<sub>2</sub>. Therefore, recommended for pure white systems. However, if later the white base need to be tinted with other colors, AFCONA-4010 will be more suitable.

AFCONA – 5010 has below special properties and recommended in below systems:

- 1) AFCONA – 5010 is tailor made as 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 5010 gives very strong viscosity reduction to allow higher filler loading.
- 3) Due to the effective viscosity reduction, it also decreases dispersing time.
- 4) AFCONA-5010 is particularly suitable for the following coating systems:
  - automotive (OEM and refinish)
  - general industrial
  - coil coating
  - acid curing
- 5) In electrostatic spraying system for pure white paint, AFCONA – 5010 gives the highest gloss performance.

AFCONA-5010 could have a catalyzing effect on the reaction in stoving enamels. This may lead to viscosity increase during storage.

Note: AFCONA – 5010 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

## Product specification

Active ingredients	50 - 54%
Solvents	Xylene / Sec. butanol
Density at 20 °C	1.00 - 1.04 g/cm <sup>3</sup>
Acid value	65 – 85 mg KOH/g
Flashpoint	25°C
Colour	max. 6
Appearance	transparent to slightly yellowish liquid

## Addition and dosage

1.0 - 4.0% based on TiO<sub>2</sub> or extenders

5.0 - 10.0% based on other inorganic pigments

## Incorporation

AFCONA-5010 should be added prior to the dispersion process.

## Storage

AFCONA-5010 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 180 kg non-returnable containers