

# AFCONA - 5220



## Chemical Composition

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-5220 helps to wet and disperse inorganic pigments, mainly TiO<sub>2</sub>, and extenders. AFCONA - 5220 is special designed as effective dispersant for TiO<sub>2</sub>. Therefore, recommended for pure white systems.

AFCONA - 5220 has below special properties and recommended in below systems:

- 1) AFCONA - 5220 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 5220 gives very strong viscosity reduction to allow higher filler loading.
- 3) Due to the effective viscosity reduction, it also decreases dispersing time.
- 4) AFCONA-5220 is particularly suitable for the following coating systems:
  - Automotive (OEM and refinish)
  - General industrial
  - Coil coating
  - Acid curing
  - UPE
  - Epoxy
  - Polyurethane
- 5) In electrostatic spraying system for pure white paint, AFCONA - 5220 gives the highest gloss performance.

Note: AFCONA - 5220 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 | ≥91% (120°C,0.5h)                     |
| Density             | 1,12 - 1,16g/cm <sup>3</sup> (20°C)   |
| Acid Value          | 80 – 100 mgKOH/g                      |
| Flash point         | >100°C                                |
| Gardner Color       | Max.6                                 |
| Appearance          | Clear to slightly yellow liquid(25°C) |

## Addition and dosage

1.0 - 3.0% based on TiO<sub>2</sub> or extenders  
5.0 - 10.0% based on other inorganic pigments.

## Incorporation

AFCONA-5220 should be added prior to the dispersion process.

## Storage

AFCONA-5220 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 220 kg non-returnable containers