# **AFCONA - 5220**

# **Chemical Composition**

An acidic polyester phosphorous compound.

## **Product general description**

Anionic wetting and dispersing additive for inorganic pigments, mainly for TiO2 and extenders.

# **Product Properties:**

AFCONA-5220 helps to wet and disperse inorganic pigments, mainly TiO2, and extenders. AFCONA - 5220 is special designed as effective dispersant for TiO2.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 TiO2 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  $5^{\circ}$  C. Even at - $15^{\circ}$  C the slight haziness stay the same. This will not influence the quality.

### Product Specification

Non-volatile matter  $\geq 91\%$  (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 TiO2 or extenders5.0 - 10.0% based on other inorganic pigments.

#### **Incorporation**

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

#### <u>Storage</u>

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 210 kg non-returnable containers

Web Site : www.afcona.com

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AFCONA ADDITIVES