

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° 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 ³ (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 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 210 kg non-returnable containers