

AFCONA – 5210



Chemical Composition

Solution of an acidic polyester phosphorous compound

Product general description

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

Product Properties

AFCONA-5210 helps to wet and disperse inorganic pigments, mainly TiO₂ and extenders. AFCONA – 5210 is specially designed as an effective dispersant for TiO₂ and is recommended for use in pure white systems. However, if the white base needs to be tinted with other colors later, AFCONA-4010 is a better choice.

AFCONA – 5210 has the following special properties:

- 1) AFCONA – 5210 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 for higher filler loading.
- 2) Due to the effective viscosity reduction, this product also decreases dispersing time.
- 3) AFCONA-5210 is especially suitable for the following coating systems:
 - Automotive (OEM and refinish)
 - General industrial
 - Coil coating
 - Acid curing
 - UPE
 - Epoxy
 - Polyurethane
- 4) In electrostatic spraying systems for pure white paint, AFCONA – 5210 gives the highest gloss performance.

Note: AFCONA – 5210 is a solid paste at room temperature; it can easily be dissolved in solvents.

Product specification

Active ingredients	≥ 95%
Acid value	120 – 140 mg KOH/g
Density at 20 °C	1.14 - 1.18 g/cm ³
Flashpoint	>100°C
Color	max. 6
Appearance	transparent to slightly yellowish paste

Addition and dosage

1.0 - 4.0% based on TiO₂ 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 its original, unopened container, it will keep up to 5 years from the date of manufacture. The expiration date is indicated on the container.

Packaging

55 lb and 441 lb non-returnable containers