

AFCONA – 5210



Chemical Composition

Solution of an acidic polyester phosphorous compound

Product general description

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

Product Properties

AFCONA-5210 helps to wet and disperse inorganic pigments, mainly TiO₂, and extenders. AFCONA – 5210 is special designed as effective dispersant for TiO₂. 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 – 5210 has below special properties and recommended in below systems:

- 1) AFCONA – 5210 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 5210 gives very strong viscosity reduction to allow higher filler loading.
- 3) Due to the effective viscosity reduction, it also decreases dispersing time.
- 4) AFCONA-5210 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 – 5210 gives the highest gloss performance.

Note: AFCONA – 5210 is solid paste form at room temperature. Can be easily dissolve in solvents. If heated to 60°C, flowable liquid form can be obtain and this will not influence the performance of the products.

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
Colour	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 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 200 kg non-returnable containers