

AFCONA - 5211



Chemical Composition

Modified phosphate ester co-polymer.

Product general description

Anionic wetting and dispersing agent for inorganic pigments, mainly used for TiO2 and extender.

Product properties

AFCONA-5211 is used to wet and disperse inorganic pigments, mainly TiO2 and extenders, and decrease the viscosity of pastes. ACONA-5211 is recommended for preparation of pure white paint systems.

AFCONA – 5211 has below special properties and recommended for below applications:

- 1) ACONA- 5211 is a wetting and dispersing agent, specially designed to disperse TiO2 and extenders.
- 2) ACONA-5211 has excellent performance for viscosity decreasing. It can provide excellent viscosity decreasing property in high PVC systems. Meanwhile , it also has the property of anti-sinking.
- 3) ACONA-5211 is 100% solid content, and without solvent. It can be used to the formulations where VOC is limited.
- 4) ACONA-5211 is suitable for below coating systems:
 - Automotive coatings(OEM and refinish);
 - general industrial paints;
 - Coil paints;
 - Flooring paints;
 - UV curing paints;

The high acid value of ACONA-5211 would cause the crosslinking of acid catalyse baking paint systems. It would increase the viscosity of paint during storage.

Note: ACONA – 5211 will become hazy at temperatures below 2° C. mixing and heating up at 40°C, this will not influence the quality.

Product Specification

Non-volatile matter $\geq 96\%$

Density at 20°C $1.10 - 1.14 \text{ g/cm}^3$

Acid Value $100 - 120 \text{ mgKOH/g}$

Flash point $>100^\circ\text{C}$

Gardner colour Max.5

Apearance Yellowish viscous liquid

Addition and dosage

2 - 5% based on TiO2 or extenders

3 - 10% based on inorganic pigments

Incorporation

AFCONA- 5211 is recommended to be incorporated prior to the dispersion process. And mix well with base resins.

Storage

AFCONA-5211 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

30kg and 210kg non-returnable containers