

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. AFCONA-5211 is recommended for preparation of pure white paint systems.

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

- 1) AFCONA- 5211 is a wetting and dispersing agent, specially designed to disperse TiO₂ and extenders.
- 2) AFCONA-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) AFCONA-5211 is 100% solid content, and without solvent. It can be used to the formulations where VOC is limited.
- 4) AFCONA-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 AFCONA-5211 would cause the crosslinking of acid catalyse baking paint systems. It would increase the viscosity of paint during storage.

Note: AFCONA – 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	≥96%(120°C,0.5h)
Density	1.10 – 1.14 g /cm ³ (20°C)
Acid Value	90 - 120 mgKOH/g
Flash point	>100°C
Gardner color	Max.5
Appearance	Yellowish viscous liquid (25°C)

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

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.