

# AFCONA - 5211



## **Chemical Composition**

Modified phosphate ester co-polymer.

## **Product general description**

Anionic wetting and dispersing agent for inorganic pigments, mainly used for TiO<sub>2</sub> and extender.

## **Product properties**

AFCONA-5211 is used to wet and disperse inorganic pigments, mainly TiO<sub>2</sub> 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 TiO<sub>2</sub> 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%
Density at 20°C	1.10 – 1.14 g/cm <sup>3</sup>
Acid Value	100 - 120 mgKOH/g
Flash point	>100°C
Gardner colour	Max.5
Apearance	Yellowish viscous liquid

## **Addition and dosage**

- 2 - 5% based on TiO<sub>2</sub> 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](http://www.afcona.com)

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This version replaces all previous ones.