

AFCONA-5055



Chemical Composition

Solution of ammonium polycarboxylate

Product general description

Wetting and dispersing additive for flocculation control in solvent-borne systems.

Product properties

AFCONA-5055 effectively prevents the settling of fillers and inorganic pigments in medium to non-polar systems, including thick-layer paints and primers.

It is also effective in bentonite paste and gel.

AFCONA-5055 offers excellent viscosity reduction and wetting/dispersing performance for inorganic pigments and fillers, along with outstanding color development.

It is particularly suitable for long, medium and short-oil alkyds, PVC co-polymers, chlorinated rubber and epoxy resin binder systems.

Recommended applications for AFCONA-5055:

- 1) Industrial coatings.
- 2) Wood and furniture coatings.
- 3) Architectural coatings.
- 4) Protective coatings.

Product Specification

Non-volatile matter	49 - 53% (150°C,20min)
Solvent	1-Methoxy-2-propanol /Alkylbenzenes
Density	0.914 - 0.954 g/cm ³ (20°C)
Acid Value	35 - 50 mg KOH/g
Amine Value	30 - 40 mg KOH/g
Flash point	31°C
Appearance	Transparent, yellow to brownish liquid (25°C)

Addition and dosage

Calculation method for the required amount of active ingredient on pigment (SOP):

- TiO₂: 2 - 5%
- Other inorganic pigments: 4 - 10%
- Bentonites: 15 - 25%

Incorporation

AFCONA-5055 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-5055 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiry date is indicated on the package.

Packaging

25kg and 180kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.