

AFCONA-5053



Chemical Composition

Polyether modified polymer solution with carboxylic acid groups.

Product general description

Wetting and dispersing agent with pigment and extender affinity groups for inorganic pigments, particularly TiO₂, extenders, and for the preparation of high-solid matting pigment pastes.

Product properties

AFCONA-5053 helps with wetting and dispersing of inorganic pigments, such as TiO₂, iron oxide and extenders. AFCONA-5053 can also be used to prepare high-solid matting agent slurries, improving the incorporation efficiency of matting agents into coating systems.

AFCONA-5053 is recommended for:

- 1) AFCONA-5053 is suitable for dispersing almost all kinds of inorganic powders, including SiO₂-based matting agents, reducing the dispersion viscosity, and featuring milder acidity.
- 2) AFCONA-5053 has good dispersing properties for organic-inorganic pigment systems. It can also help prevent flooding and floating.

Note: AFCONA-5053 may become slightly hazy or cloudy when stored below 8°C. Heating up till clear appearance before use will not affect product quality.

Product Specification

Non-volatile matter	38 - 42% (150°C, 0.5h)
Solvent	Propylene glycol methyl ether acetate
Density	0.98 - 1.02 g /cm ³ (20°C)
Acid value	21 - 31 mg KOH/g
Gardner color	Max.3
Flash point	42°C
Appearance	Transparent, yellowish liquid (25°C)

Addition and dosage

Matting agents	: 30 - 60%
TiO ₂ or extenders	: 1.0 - 10.0%
Other inorganic pigments	: 3.0 - 10.0%

Incorporation

AFCONA-5053 should be incorporated during the dispersion process.

Storage

AFCONA-5053 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 expiring date is indicated on the package.

Packaging

25kg and 200kg 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.