

AFCONA - 4474



Chemical Composition

Vinyl co-polymer contains pigment anchor groups.

Product general description

Acid based polymeric dispersant for coil and can coatings or any other acid curing system .

Product Properties:

AFCONA – 4474 is a very strong dispersant especially for TiO₂ dispersion in oil free polyester/melamine systems. This combination is commonly used in coil and can coating as well as in industrial baking paints.

AFCONA - 4474 is particularly suitable for the following applications:

- 1) -In coil and can coating applications the use of AFCONA – 4474 in TiO₂ dispersions will increase the **whiteness** as well as the **hiding power** of the coating. It will also reduce the viscosity of the system. Therefore higher pigment loading could be achieved
- 2) -Due to the pigment affinity group it is also a good dispersant for transparent iron oxide and other inorganic pigments
- 3) -It also can be used as an effective dispersant for other acid curing systems where dispersants contain amine values always affect the flocculation stability and curing time
- 4) -Baking paints based on polyester systems
- 5) -AFCONA 4474 is also very suitable for UPE & Epoxy systems due to the acid functional pigment affinity group. Common dispersant mostly contain amine values which always affect the self- and pot-life

Product Specification

Non-volatile matter	50 -54% (120°C,0.5h)
Solvent	BAC/PMA
Density	1,005 – 1,035 g/cm ³ (20°C)
Acid value	7 – 14 mg KOH/g
Flash point	45°C
Gardner color	Max.18
Appearance	Clear to slightly haze, brownish liquid (25°C)

Addition and dosage

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

TiO ₂	: 2 - 3%
Other inorganic pigments	: 2 - 4%
Organic pigments	: 20 - 40%
Carbon blacks	: 20 - 60%

Incorporation

AFCONA-4474 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4474 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 200 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.