

AFCONA-4058



Chemical Composition

Solution of modified polyurethane polymer.

Product general description

High molecular weight polymeric dispersant for all types of pigments.

Product Properties

AFCONA-4058 is a very effective polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon black. Through effective steric hindrance, it has very good stability for all types of pigments.

AFCONA-4058 can also be used to prepare universal pigment concentrates, effectively reducing the viscosity of the pastes, improving the miscibility between different pastes, and preventing floating color problems.

AFCONA-4058 is recommended to prepare the universal concentrate in epoxy systems, such as floor coatings. It effectively resolves seam color differences caused by extended recoat intervals during application.

AFCONA-4058 gives the following advantages:

- 1) Improved gloss and DOI
- 2) Decreased floating problems
- 3) Better color strength
- 4) Lower system viscosity

Product Specification

Non-volatile matter	48 - 52% (150°C, 0.5h)
Solvent	Butyl Acetate/ Propylene glycol methyl ether acetate
Density	0.97 - 1.01 g/cm ³ (20°C)
Refractive index	1.425 - 1.445 (25°C)
Amine value	20 - 30 mg KOH/g
Gardner color	Max.6
Appearance	Brownish-yellow transparent liquid (25°C)

Addition and dosage

Calculation method for the required amount of non-volatile matter on pigment:

TiO ₂ :	2-5%
Other inorganic pigments:	5-10%
Organic pigments:	20-40%
Carbon blacks:	30-80%

Incorporation

AFCONA-4058 should be incorporated in the mill base before adding the pigments, with additional shear force to ensure thorough mixing.

Storage

AFCONA-4058 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 3 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 190 kg 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.