

AFCONA-1101



Chemical Composition

Modified polyacrylate polymer solution

Product general description

Universal dispersing resin for preparation of universal pigment concentrates.

Product Properties:

AFCONA-1101 is designed to be used as a universal dispersing resin for the preparation of universal pigment concentrates.

To formulate stable and widely compatible pigment concentrates, AFCONA-1101 must be combined with any product from AFCONA 4000 series of high molecular weight dispersants. The stability and deflocculation ability of the pigment concentrate are highly dependent on the selected dispersant. On the other hand, the compatibility of the pigment concentrate depends not only on the dispersant, but also on the universal resin chosen in the formulation.

AFCONA-1101 is compatible with most resin systems, such as polyurethane, alkyd melamine, acrylic melamine, polyester melamine (butylated and HMMM grade), acid curing etc. The resin systems known to be incompatible include epoxy systems, as well as air-drying alkyd systems in which large amounts of white spirit, LAWS, and aliphatic hydrocarbon solvents are used.

The pigment concentrates prepared through AFCONA-1101 have below special properties:

- 1) Very low concentrates viscosity.
- 2) Provides better pigment stability.
- 3) Excellent flow properties and suitable for producing high-quality automotive coatings.
- 4) Contains primary OH groups, which can cross-link in systems like PU and baking paints.

As long as it has good compatibility with the resin systems, AFCONA-1101 can reduce mill base viscosity. As all paint chemists understand, reducing mill base viscosity means increasing mill base grinding efficiency.

Product Specification

Non-volatile matter	59-63% (150°C, 0.5h)
Solvent	Butyl acetate / Propylene glycol methyl ether acetate
Density	1.01-1.04 g/cm ³ (20°C)
Gardner color	Max.4
Flash point	35°C
Appearance	Clear to foggy, yellowish liquid (25°C)

Addition and dosage

For Pigment concentrates:

Inorganic pigments: 4-5 times of solid dispersant

Organic pigment: 3-5 times of solid dispersant

For mill based viscosity reduction:

1-2% based on total mill base formulation.

Incorporation

AFCONA-1101 is recommended to add in before milling.

Storage

AFCONA-1101 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

30kg and 200 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.