

AFCONA - 1102



Chemical Composition

Modified polyacrylate polymer solution

Product general description

Universal dispersing resin for the preparation of universal pigment concentrates; a cheaper version of AFCONA-1101.

Product properties

AFCONA-1102 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-1102 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-1102 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 using AFCONA-1101 and AFCONA-1102 have the following differing properties:

- 1) AFCONA-1101 is better in viscosity reduction.
- 2) AFCONA-1102 gives better compatibility, especially in thermoplastic resins and epoxy.
- 3) AFCONA-1102 is more economic than AFCONA-1101.
- 4) Contains primary OH groups, which can cross-link in systems like PU and baking paints.

Product Specification

Non-volatile matter	59-61% (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 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-1102 is recommended to add in before milling.

Storage

AFCONA-1102 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

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.