

AFCONA - 1503



Chemical Composition

Modified fatty acid polymer solution

Product general description

Water-based dispersing resin for the production of universal water-based pigment concentrates.

Product properties

AFCONA-1503 is a universal water-based dispersing resin that provides good pigment wetting and stability. In addition to being self-emulsifying, it demonstrates excellent compatibility with common water-based coating components, including aqueous emulsions, water-soluble resins, and aqueous secondary dispersions.

Due to the primary hydroxyl groups, AFCONA-1503 can cross-link with both baking systems and polyurethane systems.

AFCONA-1503 is recommended to be combined with other high molecular weight dispersants, such as AFCONA-4560, AFCONA-4570, or AFCONA-6225, for the preparation of water-based pigment concentrates.

AFCONA-1503 is characterized by the following:

- 1) Good compatibility and easy incorporation with low-shear mixing.
- 2) Help to provide better pigment stability.
- 3) Help to prevent drying of pigment paste on the surface and on the wall of the container.
- 4) Cross-linking capability in systems such as PU and baking paints.

Product Specification

Non-volatile matter	73 - 77% (120°C,0.5h)
Solvent	Water
Density	1.06 - 1.09 g/cm ³ (20°C)
Gardner color	Max.6
Flash point	>100°C

Addition and dosage

For Pigment concentrate:

Inorganic pigments: 4-5 times of solid dispersant
Organic pigment: 3-5 times of solid dispersant

Incorporation

AFCONA-1503 is recommended to be incorporated before milling.

Storage

AFCONA-1503 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 3 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

30kg and 210kg 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.