

AFCONA-2501



Chemical Composition

Polysiloxane based aqueous emulsion defoamer

Product general description

A water-based defoamer for high-shear systems and pigment grinding.

Product properties

AFCONA-2501 provides effective de-aeration. It is recommended for all kinds of water-based coatings, ranging from decorative paints to water-based printing inks.

For pigment grinding process that require prolonged high shear force, AFCONA-2502 or AFCONA-2503 would be a better choice.

AFCONA-2501 is recommended for:

- 1) Emulsion paints (with high to low PVC contents) based on pure or modified acrylic resins.
- 2) Water-based flexo inks.
- 3) Printing inks.
- 4) Water-based polyurethane dispersions.

Note: Separation may occur during storage, shake well before use. AFCONA-2501 may freeze and be damaged if stored below 0°C. Suggested storage temperature: 5-45°C.

Product Specification

Non-volatile matter	14 - 17% (150°C, 0.5h)
Solvent	Water/High-boiling-point solvent
Density	0.94 - 0.98 g/cm ³ (20°C)
Refractive index	1.335 - 1.345 (25°C)
Flash point	>100°C
Appearance	White milky emulsion (25°C)

Addition and dosage

0.1-0.5% on total formulation. Under normal conditions, the dosage is 0.2-0.3%, based on total formulation.

For pigment concentrate: 0.3-0.5%.

In order to obtain good defoaming in final paint, it is recommended to split the dosage between the mill base and let-down stages. For the mill base stage, AFCONA-2502 or AFCONA-2503 would be a better choice.

Incorporation

AFCONA-2501 should be incorporated during the grinding stage. If added subsequently, it requires high-speed dispersion to be effective.

Storage

AFCONA-2501 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 190kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.