

AFCONA-2503



Chemical Composition

Organically modified polysiloxane

Product general description

A water-based defoamer and anti-foaming agent with leveling properties, designed for high-shear systems and pigment grinding processes.

Product properties

AFCONA-2503 provides good defoaming, anti-foaming and leveling performance in all water-based coatings. It also show good anti-cratering feature.

AFCONA-2503 is recommended and featured for:

- 1) Pigment concentrate preparation and high-speed flexographic printing. It performs excellently under high-shear conditions, maintaining good defoaming and anti-foaming performance even during prolonged grinding.
- 2) All coating systems, ranging from polyurethane dispersions to normal acrylic-based decorative paints.
- 3) Good defoaming and anti-foaming properties, alongside with good leveling performance. Most defoamers on the market can adversely affect the leveling properties of a coating, while leveling agents often promote foam formation. Thus, AFCONA-2503 serves as an ideal product, functioning as a defoamer while providing leveling properties.
- 4) Due to its leveling properties, it also prevents crater formation in the coating—a key performance desired by formulators.

Product Specification

Non-volatile matter	≥96% (120°C, 0.5h)
Density	0.97 - 1.01 g/cm ³ (20°C)
Refractive index	1.435 - 1.445 (25°C)
Flash point	>100°C
Appearance	Clear to slightly yellow liquid (25°C)

Addition and dosage

0.05-1.00% on total formulation. Under normal conditions, the dosage is 0.05-0.25% based on total formulation.

For pigment concentrates is 0.5-1.0%.

Incorporation

AFCONA-2503 should be incorporated during the grinding stage. If added subsequently, it requires high-speed dispersion to be effective.

Storage

AFCONA-2503 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 200kg 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.