

AFCONA-2050



Chemical Composition

Silicone-free defoamer

Product general description

A strong defoamer with leveling performance, suitable for all solvent-based coatings.

Product properties

AFCONA-2050 is a unique defoamer that offers strong defoaming and anti-foaming properties with additional leveling features. This contrasts with other defoamers, which negatively influence the leveling performance.

AFCONA-2050 is suitable for solvent-based coatings, printing inks and thermosetting resin systems. It eliminates foam and blistering, regardless of whether the air bubbles are caused by the substrate or other factors.

AFCONA-2050 has very strong defoaming and anti-foaming properties and satisfactory de-aeration performance. To further enhance the de-aeration performance, it is recommended to combine it with polysiloxane defoamers like AFCONA-2023 or AFCONA-2045 at a dosage of about 0.1-0.2%.

AFCONA-2050 is recommended for:

- 1) Nitrocellulose lacquers and acid-curing wood coatings, especially for curtain coating systems.
- 2) Two-component polyurethane coatings for spray or brush application(except for high-gloss clear coats).
- 3) Cold-curing epoxy resin systems and for unsaturated polyester systems (SMC, BMC and gel coats).
- 4) Baked coating systems applied by flow coating or dipping process.
- 5) Any other solvent-based pigmented and matt systems where in-can transparency is not important.

Note: AFCONA-2050 is not suitable for air-drying alkyd resin systems.

Product Specification

Solvent	Special boiling point solvent/ Propylene glycol methyl ether acetate
Density	0.83 - 0.86 g/cm ³ (20°C)
Refractive index	1.430 - 1.440 (25°C)
Flash point	30°C
Appearance	Colorless to yellow, transparent liquid (25°C)

Addition and dosage

0.1-1.0% on total formulation. Under normal conditions, the dosage is 0.20-0.50% based on total formulation.

Incorporation

As a strong defoamer, AFCONA-2050 can be incorporated during the production process. If added subsequently, it must be well-dispersed in the system.

Storage

AFCONA-2050 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

20kg and 170kg 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.