

AFCONA-2040



Chemical Composition

Fluorocarbon-modified polysiloxane based defoaming polymer

Product general description

A moderate defoamer with minimum side effects.

Product properties

AFCONA-2040 prevents the formation of foam and blisters during manufacturing and application. It offers both, effective defoaming and good compatibility with most resin systems. It is recommended for medium-viscosity systems, applied by spray and brush.

AFCONA-2025, AFCONA-2035 and AFCONA-2040 have almost the same chemical structure with different modifications. However, the performance is very different in some systems. We recommend testing all three of them to select the optimal defoamer for your formulation. In most cases, AFCONA-2040 performs superior bubble-breaking performance.

AFCONA-2040 is recommended for brush and conventional spray application, and it is also well-suited for systems ranging from low to high polarity.

AFCONA-2040 is recommended for:

- 1) Air drying systems and physical drying systems based on acrylic, vinyl or chlorinated polymers.
- 2) Polyurethane systems for wood coatings, plastic coatings and automotive refinish paints.
- 3) Airless spray coating systems.
- 4) Nitrocellulose lacquers and acid-curing systems for wood coatings and general industrial coatings.
- 5) General industrial baking coatings.
- 6) Solvent-based epoxy resin systems.

Product Specification

Solvent	Diisobutyl-ketone/High boiling point aliphatic solvent
Density	0.80 - 0.82 g/cm ³ (20°C)
Refractive index	1.410 - 1.420 (25°C)
Flash point	49°C
Appearance	Clear, colourless liquid (25°C)

Addition and dosage

0.1-0.7% on total formulation. Under normal conditions, the dosage is 0.20-0.50% based on total formulation.

Incorporation

To prevent foaming, AFCONA-2040 can be incorporated during the paint manufacturing process. If added subsequently, it must be well-dispersed in the system.

Storage

AFCONA-2040 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 160kg 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.