

AFCONA-3836



Chemical Composition

Polyether-modified polysiloxane with methacrylate acid end groups.

Product general description

Reactive silicone leveling agent for use in UV-curable and vinyl-curable systems.

Product properties

AFCONA-3836 is a polyether-modified polysiloxane structure that effectively prevents the formation of Bénard cells, provides substrate wetting, promotes rapid leveling formation of the paint film and minimize risk of foam stabilization.

The methacrylate end groups of AFCONA-3836 allow it to participate in the cross-linking reaction during UV and other free radical curing systems, thereby enhancing the mechanical properties of the paint film and contributing to the final surface touch feeling.

AFCONA-3836 is recommended for:

- 1) UV-curable and electron beam curing systems.
- 2) Other resin systems with reactive unsaturated double bonds.
- 3) Fast-curing baking systems.

Product specification

Non-volatile matter	≥97% (120°C, 0.5h)
Density	0.97 - 1.01 g/cm ³ (20°C)
Refractive index	1.433 - 1.453 (25°C)
Flash point	> 100°C
Appearance	Colorless to slightly yellowish clear liquid (25°C)

Addition and dosage

0.1-0.5% on total formulation. Under normal conditions, the dosage is 0.10-0.30% based on total formulation.

Incorporation

AFCONA-3836 should be added at the end of the batch preparation.

Storage

AFCONA-3836 shall be stored in cool and dry place away from direct sunlight when the storage temperature does not exceed 40°C. Shelf-life is 2 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 take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.