

# AFCONA-3034



## Chemical Composition

Fluorocarbon containing organically modified polysiloxane.

## Product general description

This additive is designed to reduce surface tension, improve substrate wetting, enhance anti-cratering performance and promote leveling, particularly on vertical surfaces.

## Product Properties

The fluorocarbon-modified AFCONA-3034 has very low surface tension. Therefore, it is typically employed to resolve issues caused by surface tension and to further enhance the performance of conventional silicone additives in terms of anti-cratering, substrate wetting and leveling.

To solve the vertical leveling problems, AFCONA-3034 is frequently employed in combination with our fluorocarbon-modified acrylic leveling agents, such as AFCONA-3670, AFCONA-3700 and AFCONA-3777. These combinations are also highly effective against severe cratering defects. Among these, the best results are achieved in combination with AFCONA-3700.

AFCONA-3034 is extremely compatible with most paint systems and is suitable for use in both water-based and solvent-based industrial coatings. Its ability to reduce the coating system surface tension improves substrate wetting, though it also tends to stabilize foam in most cases. Therefore, it is appropriate to use suitable defoamers at the same time.

Recommended applications for AFCONA-3034:

- 1) Plastic coatings, such as polyurethane, UV-curable and thermoplastic acrylic systems. It gives good leveling and substrate wetting, minimizing common problems such as cratering and poor leveling.
- 2) Industrial baking enamels, for anti-cratering and vertical leveling.
- 3) Other solvent-based coatings requiring anti-cratering, substrate wetting and vertical leveling.
- 4) Water-based paints, as a leveling, anti-cratering, and slip agent.

## Product Specification

Non-volatile matter	50 - 54% (120°C, 0.5h)
Solvent	1-Methoxy-2-propanol
Density	0.97 - 0.99 g/cm <sup>3</sup> (20°C)
Refractive index	1.420 - 1.430 (25°C)
Flash point	35°C
Appearance	Clear to slightly hazy/ yellowish liquid (25°C)

## Addition and dosage

0.05-0.50% on total formulation. Under normal conditions, the dosage is 0.05-0.2% based on total formulation.

## Incorporation

AFCONA-3034 can be added at any stage of production.

## Storage

AFCONA-3034 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 190kg non-returnable containers

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

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.