

# AFCONA-3581



## Chemical Composition

Organically modified polysiloxane.

## Product general description

Silicone based leveling and anti-crater agent for aqueous coatings without influence of inter-coat adhesion.

## Product Properties

AFCONA-3581 is the 50% solid version of AFCONA-3580. It is an organically modified polysiloxane with very short chain repeating units of siloxane. Due to the small molecules, they move very fast to a defected area. This gives very good anti-crater properties without any inter-coat adhesion problems.

AFCONA-3581 is also widely used in electroplating and electro-deposition coating to avoid crater formation as well as giving a smooth, good leveling and good appearance coating. As it has a non-ionic structure, it can be used in both anionic and cationic systems.

AFCONA-3581 is recommended for use in all kinds of water-based coatings with a pH range of 4-10.

The use of AFCONA-3581 gives the following advantages:

- 1) Excellent anti-crater behavior.
- 2) Better substrate wetting.
- 3) Improved leveling.
- 4) No inter-coat adhesion problems. No re-coating problems.
- 5) Little foam stabilization.

Note: Due to the small molecule size of AFCONA-3581, the slip effect is reduced.

## Product Specification

Non-volatile matter	50 - 54% (120°C, 0.5h)
Solvent	1-Methoxy-2-propanol
Gardner color	Max.3
Flash point	35°C
Appearance	Pale yellow clear liquid (25°C)

## Addition and dosage

0.1-1.0% on total formulation. Under normal conditions, the dosage is 0.1-0.3% based on total formulation.

## Incorporation

AFCONA-3581 should be added either prior to or after processing.

## Storage

AFCONA-3581 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 3 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

## Packaging

25kg and 200 kg 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.