

# AFCONA-3251



## Chemical Composition

Polyether modified polysiloxane.

## Product general description

An additive designed to perform the highest slip in all solvent-based coating without foam stabilizing property.

## Product Properties

AFCONA-3251 is an improved version of AFCONA-3250. It is specially developed to further improve leveling performance.

Most polysiloxanes with good transparency stabilize foam; those that do not stabilize foam often affect the transparency of the coating. Thus, AFCONA-3251 helps paint formulators by offering very good slip, no foam stabilization and good transparency.

AFCONA-3251 is recommended for:

- 1) All wood coatings like nitrocellulose, acid curing, PU, and UV. Slip is always one of the most important measurements for wood coatings.
- 2) Top coats in plastic coating applications like mobile phone and those plastic items that frequently touched by hand. In these applications, slip is very important.
- 3) UV coatings, where it gives very good slip and leveling without influencing the clarity of the paint film.
- 4) Refinish topcoat that based on polyurethane.
- 5) Air-drying alkyd systems where it shows very good leveling and high slip performances. The dosage in this system is very low, 0.02%-0.05% based on total formulation.
- 6) Other paint systems where high slip is desired.

Note: AFCONA-3251 will become slightly hazy at temperatures 5°C and below. This will not influence the quality.

## Product Specification

Non-volatile matter	≥95% (120°C, 0.5h)
Density	0.98 - 1.02 g/cm <sup>3</sup> (20°C)
Refractive index	1.425 - 1.445 (25°C)
Gardner color	Max.4
Flash point	>100°C
Appearance	Transparent to slightly yellow liquid (25°C)

## Addition and dosage

0.10-0.50% on total formulation. Under normal conditions, the dosage is 0.05-0.30% based on total formulation.

## Incorporation

AFCONA-3251 can be added at any stage of production. Adding it during the dispersion process speeds up wetting.

## Storage

AFCONA-3251 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 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.