

# AFCONA - 3231



## Chemical Composition

Organically modified polyether polysiloxane.

## Product general description

Slip and leveling additive used mainly in metal and UV coatings.

## Product properties

AFCONA-3231 gives very good slip and the slip characteristic is oily type, also called as wet look appearance. Therefore, it can enhance visually film thickness AFCONA – 3231 normally used in metal coatings like industrial baking systems, car refinish polyurethane top clear coats and other vehicle paint.

AFCONA – 3231 also widely used in UV coatings due to the good levelling and slip performance. However, it does not contain any reactive functional group that can cross-link with UV resin system.

Due to its high surface activity, AFCONA-3231 can interfere with intercoat adhesion when recoated without sanding. If air is introduced by the application equipment, the use of small amounts of defoamers such as AFCONA-2020 and AFCONA-2022 are recommended.

AFCONA – 3231 is recommended in below systems:

- 1) 2K Polyurethane. It gives low sensitivity to inner bubble.
- 2) Industrial baking systems where baking temperature is less than 170°C. In normal case, AFCONA – 3030 or AFCONA - 3233 is recommended for industrial baking systems. However, if higher slip is needed, AFCONA - 3231 will be the better choice.
- 3) UV coatings. A lot of time, AFCONA – 3231 is selected for UV due to the less foam stabilizing effect and good compatibility

## Product Specification

Non-volatile matter	≥96% (120°C,0.5h)
Density	0.97 – 1.01 g/cm <sup>3</sup> (20°C)
The refractive index	1,435-1,445 (25°C)
Flash point	>100°C
Appearance	Clear to slightly hazy, yellowish liquid (25°C)

## Addition and dosage

0.05 – 1.0% on total formulation. In general under normal conditions, the dosage is 0.1 – 0.3% based on total formulation.

## Incorporation

AFCONA-3231 can be added at any stage during production process.

## Storage

AFCONA-3231 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25kg and 200kg non-returnable containers

AFCONA ADDITIVES

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

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This version replaces all previous ones.