

AFCONA - 3030



Chemical Composition

Organically modified polyether polysiloxane

Product general description

Slip and leveling additive for solvent and water-based system

Product Properties

AFCONA-3030 is a polyether modified polysiloxane. Mainly used as general slip and leveling agent for all solvent-based coatings to prevent Bénard Cells, provide levelling and works as anti-crater agent. The slip performance is not so high comparing to AFCONA – 3031, AFCONA – 3033 and AFCONA – 3230. Thus, this is a moderate slip leveling agent but the slip characteristic is dry type.

AFCONA-3030 can be used as leveling and anti-crater agent in water as well as in solvent-based applications. This product will stabilize more foam in water-based coatings.

The special properties and recommended systems for AFCONA – 3030 are:

- 1) A very economic and effective slip and leveling agent for air-drying alkyd systems
- 2) A very effective anti-crater agent for polyurethane systems. It also gives very less inner bubble sensitivity in polyurethane system
- 3) Perform as a superior additive against Bénard Cells in all solvent-based systems
- 4) Suitable for industrial baking systems, where baking temperature is less than 170°C
- 5) Can be added into the grinding phase to speed up the wetting and grinding speed of pigments
- 6) Due to the foam stabilizing behavior not suitable for foam sensitive systems like solvent-free epoxy floor coatings.
- 7) Basically AFCONA – 3030 can be used in almost all solvent-based coatings as slip and leveling agent

Product specification

Active ingredients	50 – 54%
Solvent	Isobutanol
Density at 20 °C	0.90 - 0.92 g/cm ³
Refractive index	1.418 - 1.428
Flashpoint	27 °C
Appearance	transparent to slight yellowish liquid

Addition and dosage

0.1- 1.0% on total formulation. In general under normal conditions, the dosage is 0.2 – 0.5% based on total formulation.

Incorporation

AFCONA-3030 can be added at any stage during the production process. When added during the dispersion process, it speeds up wetting.

Storage

AFCONA-3030 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container

Packaging

25 kg and 180 kg non-returnable containers