

AFCONA - 3033



Chemical Composition

Organic modified polyether polysiloxane.

Product general description

Additive designed as slip and leveling for solvent based coatings.

Product Properties:

AFCONA-3033 is an end modification of a special Polysiloxane. With this modification, it enhances coatings slip performance and surface smoothness. The slip characteristic is dry type, which makes it very suitable for wood coatings and resins with thermoplastic character.

It has excellent compatibility properties, making it very suitable for use in clear coatings. However, good compatibility also comes with more foam stabilizing effect. Thus, for foam sensitive systems defoamers like AFCONA – 2020, AFCONA 2022 and AFCONA 2045 should be used to eliminate the extra foam generated. However, for normal conventional spray systems, these extra defoamers are not needed.

A better solution, for those foam sensitive systems like high build epoxy, polyurethane and those systems apply by curtain coating and airless spray, slip and leveling agent with defoaming property is more recommended, such as AFCONA – 3236, AFCONA – 3238 and AFCONA – 3239.

AFCONA-3033 is recommended for below systems:

- 1) All wood coating system, NC, Acid Curing and Polyurethane. It also can be used in UV coating where transparency of the coating is needed.
- 2) Suitable for resins with a thermoplastic character like Thermoplastic Acrylic and NC. It has very good slip and leveling properties for these systems

Product Specification

Non-volatile matter	14 -16%(120°C,0.5h)
Solvent	N-butyl Acetate
Density	0.89 – 0.91 g/cm ³ (20°C)
The refractive index	1.396 – 1.406(25°C)
Flash point	43°C
Appearance	Clear to slightly yellowish liquid(25°C)

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-3033 can be added at any stage during the production process. If added at the dispersion process, it speeds up wetting.

Storage

AFCONA-3033 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

25kg and 180kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.