AFCONA - 3033

Chemical Composition
Organically modified polyether polysiloxane.

Product general description
Additive designed as slip and leveling for solvent-based coating.

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
Active ingredients 14 – 16%
Solvents butylacetate
Density at 20 °C 0.90 - 0.92 g/cm³
Refractive index 1.396 - 1.406
Flashpoint 24 °C
Appearance transparent to slight yellowish

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 during 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
55 lbs and 397 lbs non-returnable containers