

AFCONA - 3236



Chemical Composition

Organically modified polyalkyl polysiloxane

Product general description

Additive designed as slip and leveling agent with good defoaming effect.

Product Properties

Most organically modified polysiloxanes will stabilize foam and this makes them not suitable for foam sensitive systems like floor coatings and high build systems. AFCONA-3236 is an alkyl modified polysiloxane giving not only slip and leveling properties, but also acts as a good defoamer in most systems.

AFCONA-3236 is mostly used in foam sensitive systems as listed below due to its foam stabilizing properties:

- 1) Solvent-less epoxies
- 2) High Solid or solvent-less Polyurethanes
- 3) Paints applied by Curtain coater
- 4) Paints applied by airless spray application
- 5) UV curing systems

AFCONA-3236 also acts as a good defoamer and slip agent for baking paints, especially in coil coatings. It has high temperature resistance up to 280°C for 15 minutes.

In wood coatings, AFCONA – 3236 is also very often used due to the good defoaming and slip performance. AFCONA – 3236 is not recommended in high gloss clear coats due to its ability to cause slight in-can haziness.

Product specification

Active ingredients	≥96%
Density at 20 °C	0.94 - 0.96 g/cm ³
Refractive index	1.437 - 1.447
Flashpoint	>100°C
Colour	max.2
Appearance	transparent to slight yellowish liquid

Addition and dosage

0.05 – 0.50% on total formulation. In general, under normal conditions, the dosage is 0.05 – 0.2% based on total formulation.

Incorporation

AFCONA-3236 can be added at any stage of the production process. However, high shear force is needed if added in the letdown stage due to its defoaming property. For easier incorporation, dilute to 10% in any solvent/s.

Storage

AFCONA-3236 should be stored in a cool dry place. When kept in its 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