# **AFCONA – 3239**



## **Chemical Composition**

Organically modified polyalkyl polysiloxane

#### **Product general description**

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

#### **Product Properties**

AFCONA-3239 is another alkyl modified polysiloxane from AFCONA. The alkyl modification of AFCONA – 3239 is longer than AFCONA – 3236 and this makes AFCONA 3239 act as better defoamer. It gives more in-can haziness in more polar systems like polyurethane and epoxy. The longer alkyl modification also gives less slip performance.

AFCONA-3239 mostly use in foam sensitive systems as listed below due to none foam stabilizing properties:

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

AFCONA-3239 is a very suitable levelling agent in epoxies as it will not stabilized foam but act as very good defoamer in such systems.

For matted finish coatings, addition of AFCONA – 3239 will help in matting agent orientation. In UV curing systems, it even further reduces gloss when added together with a matting agent.

AFCONA-3239 is not recommended in high gloss clear coats, due to it can cause in-can haziness.

#### **Product specification**

Active ingredients ≥96%

Density at 20 °C 0.91 - 0.93 g/cm<sup>3</sup>

Refractive index 1.439 - 1.449

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-3239 can be added at any stage of production process. However high shear force is needed if added in letdown stage due to the defoaming properties. For easier incorporation, dilute to 10% in any solvent/s.

#### Storage

AFCONA-3239 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