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.

Product Specification

Non-volatile matter	$\geqslant$96% (120°C,0.5h)
Density	0.91 – 0.93g/cm^3 (20°C)
The refractive index	1.439 – 1.449 (25°C)
Flash point	>100°C
Gardner color	Max.2
Appearance	Transparent to slightly yellowish liquid (25°C)

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 property. 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
25kg and 180kg non-returnable containers