

AFCONA-3280



Chemical Composition

Special organically modified polysiloxane.

Product general description

Specially modified polysiloxane for slip, defoaming and overall improved surface characteristics.

Product Properties

AFCONA-3280 is a specially modified polysiloxane that is soluble in aliphatic and aromatic hydrocarbons, esters and ketones, insoluble in water. This specially modified polysiloxane does not cause intercoat adhesion problems, even without sanding. Due to the special modification, it provides better hot water resistance than other polyether-modified polysiloxanes.

AFCONA-3280 improves general surface characteristics and, in particular, the following advantages can be achieved:

- 1) Improves leveling and surface smoothness.
- 2) Provides moderate slip performance.
- 3) Eliminates intercoat adhesion problems, even without sanding.
- 4) Acts as a defoamer and de-aeration aid, preventing inner bubble problems in polyurethane coatings.
- 5) Prevents the formation of Bérnard cells (anti-floating effect).

AFCONA-3280 is especially recommended for the following coating systems:

- 1) Baking systems based on alkyd, acrylic or polyester resins.
- 2) Acid-curing and PU wood coatings, especially for dipping, curtain coater processes and highly porous wood substrates.
- 3) Self-leveling epoxy flooring compounds.
- 4) UV-curing inks and coatings.

Product Specification

Non-volatile matter	≥89% (120°C, 0.5h)
Density	0.89 - 0.92 g/cm ³ (20°C)
Refractive index	1.425 - 1.435 (25°C)
Gardner color	Max.3
Flash point	>100°C
Appearance	Transparent to slightly yellowish liquid (25°C)

Addition and dosage

0.05-0.50% on total formulation. Under normal conditions, the dosage is 0.05-0.20% based on total formulation.

Incorporation

AFCONA-3280 can be incorporated at any stage of production. If added during the grinding stage, shear force must be applied to ensure homogeneous mixing with the system, due to its defoaming properties. For easier incorporation, It can be pre-diluted with any solvent to form a 10% solution.

Storage

AFCONA-3280 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 180kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.