

AFCONA - 3285



Chemical Composition

Polyether-modified polysiloxane.

Product general description

Slip and leveling agent with terminal hydroxyl groups.

Product Properties

AFCONA-3285 is the 100% solids version of AFCONA-3085. It is a silicone polymer with primary hydroxyl groups at both terminations of the molecular chain. Therefore, AFCONA-3285 can participate in the cross-linking of polyurethane and baking systems.

This cross-linking characteristic enables AFCONA-3285 to impart permanent slip to the film in polyurethane and baking systems.

AFCONA-3285 is a polysiloxane polymer with good compatibility with most coating systems, but it also exhibits foam-stabilizing properties. Therefore, for foam-sensitive coating systems, a suitable defoamer should be added and used in combination. For conventional spray-applied coating systems, no additional defoamer is required.

AFCONA-3285 is suitable for all solvent-based coating systems, particularly for wood and industrial coatings requiring easy release and easy-wipe off surfaces.

AFCONA-3285 can also be used in the synthesis modification of polyester and alkyd resins, and polyurethane resins. Its average molecular weight is 2500. By allowing the hydroxyl groups of AFCONA-3285 to participate in the resin synthesis reaction, silicone-modified resin properties can be achieved.

Note: A hazy gel-like appearance may occur below 8°C. Heating will restore. This will not influence the quality.

Product Specification

Non-volatile matter	≥94% (120°C,0.5h)
Flash point	>100°C
Appearance	Clear to slightly yellowish liquid (25°C)

Addition and dosage

0.1-1.0% on total formulation. Under normal conditions, the dosage is 0.2-0.5% based on total formulation. To prevent hand marking in PU wood coatings, the dosage is 0.3-3% based on total formulation.

Incorporation

AFCONA-3285 can be incorporated at any stage of production. Adding it during the dispersion process speeds up wetting.

Storage

AFCONA-3285 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 200 kg 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.