

AFCONA-3777



Chemical Composition

Fluorocarbon modified polyacrylate polymer.

Product general description

Anti-crater, substrate wetting and leveling agent for solvent-based coatings.

Product Properties

AFCONA-3777 is a fluorocarbon-modified polyacrylate leveling agent. It is a silicone-free type, thus free from intercoat adhesion problems. However, to achieve better overall performance, we also recommend combining it with a suitable silicone leveling agent for use in high-grade industrial topcoats.

AFCONA-3777 is one of the earliest products developed by AFCONA in this series of fluorocarbon-modified polyacrylate leveling agents. Thanks to its fluorocarbon modification, it achieves lower surface tension than conventional pure acrylate leveling agents, resulting in superior anti-crater performance and substrate wetting. Additionally, when used in metallic basecoats, it aids in the orientation of metallic flake pigments.

AFCONA-3777 has the following advantages:

- 1) Improves leveling of the coating.
- 2) Prevents cratering.
- 3) Helps substrate wetting.
- 4) Acts as a defoamer and deaerator.
- 5) Does not affect intercoat adhesion or recoatability.

AFCONA-3777 is recommended for:

- 1) All solvent-based baking systems for leveling and anti-crater agents.
- 2) Polyurethane systems for leveling, anti-crater and anti-foam agents.
- 3) Epoxy systems for leveling and anti-crater agents.

Product Specification

Non-volatile matter	69 - 71% (150°C, 0.5h)
Solvent	Xylene
Density	0.96 - 0.99 g/cm ³ (20°C)
Gardner color	Max.3
Flash point	45°C
Appearance	Transparent to slightly yellowish liquid (25°C)

Addition and dosage

0.30-2.00% on total formulation. Under normal conditions, the dosage is 0.30-0.80% based on total formulation.

Incorporation

AFCONA-3777 should be incorporated at the end of the batch preparation.

Storage

AFCONA-3777 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 refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.