

AFCONA-3750



Chemical Composition

Fluorocarbon-modified polyacrylate polymer.

Product general description

Leveling and flow control agent for solvent-based coatings with excellent anti-crater properties.

Product Properties

AFCONA-3750 is a 52% solids version of AFCONA-3700 for easier handling in winter time condition.

AFCONA-3750 is a highly fluorocarbon modified polyacrylic polymer. It has very low surface tension, so that can be alternative to silicone based types without the their typical side effects.

AFCONA-3750 drastically reduces the surface tension of organic coating systems. This property, combined with its good compatibility with most solvent-based systems and minimal foam stabilizing effect, makes it very effective as an anti-crater and flow control agent for all solvent-based coatings.

The low surface tension of AFCONA-3750 imparts excellent substrate wetting to the coating. It is normally recommended to combine with a silicone-based leveling agent to achieve optimal performance in leveling, anti-crater and flow control.

AFCONA-3750 is widely used, especially in refinish topcoats, as it effectively prevents crater formation caused by various environmental conditions at application sites. In addition, it strongly improves vertical leveling in such applications.

AFCONA-3750 is recommended for:

- 1) Baking systems based on alkyd, acrylic and polyester resins.
- 2) Polyurethane coatings.
- 3) Two-component epoxy compounds.
- 4) Air-drying alkyd systems.
- 5) UV coatings.

Product Specification

Non-volatile matter	50 - 53% (150°C,0.5h)
Solvent	Propylene glycol methyl ether acetate
Density	1.04 - 1.06g/cm ³ (20°C)
Refractive index	1.420 - 1.430 (25°C)
Gardner color	Max.3
Flash point	44°C
Appearance	Transparent to slightly yellow liquid (25°C)

Addition and dosage

0.1-1.0% on total formulation. Under normal conditions, the dosage is 0.1-0.5% based on total formulation

Incorporation

AFCONA-3750 should be incorporated at the end of the batch preparation.

Storage

AFCONA-3750 shall be stored in cool and dry place away from direct sunlight and protected from freezing. 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

30 kg and 210kg non-returnable containers

For product safety information: please take reference of SDS.