

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 the 1st generation of fluorocarbon modified polyacrylic. Recommended as non-silicone leveling agent where silicone is not permitted due to intercoat adhesion problems. However, we highly recommend a combination with a suitable polysiloxane for better overall performance.

Note: AFCONA-3777 is one of the first developments of fluorocarbon modified acrylics and therefore later developments of AFCONA show improved performances.

Due to the fluorocarbon modification, it gives lower surface tension than normal pure polyacrylic leveling agents and therefore it gives better anti-crater performance and substrate wetting.

AFCONA-3777:

- 1) no inter-coat adhesion problem.
- 3) improves leveling.
- 4) prevents craters and orange-peel.
- 5) helps substrate wetting.

AFCONA – 3777 is suitable for all solvent-based coating especially:

- 1) baking paints (as leveling and anti-crater agent)
- 2) PU coatings (as leveling, anti-crater and anti inner bubble agent)
- 3) epoxies (as leveling and anti-crater agent).

Product Specification

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

Addition and dosage

0.30 – 2.00% on total formulation. In general, under normal conditions, the dosage is 0.30 – 0.80% based on total formulation.

Incorporation

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

Storage

AFCONA-3777 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 200 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.