

AFCONA - 3034



Chemical Composition

Fluorocarbon containing organically modified polysiloxane

Product general description

Additive designed to reduce the surface tension, improve the substrate wetting, anti-crater performance and levelling (especially vertical levelling).

Product Properties

With the fluorocarbon modification, AFCONA-3034 itself has very low surface tension. Thus, this additive normally is used as real problem solver for critical condition on surface tension. The present of fluorocarbon further improves the performance of a normal polysiloxane on anti-crater, substrate wetting and leveling.

To solve the vertical leveling problem AFCONA – 3034 often is used together with our fluorocarbon modified acrylic leveling additives such as, AFCONA – 3670, AFCONA – 3700 and AFCONA – 3777. These combinations also can solve critical crater problems and among all, the best combination will be with AFCONA – 3700.

AFCONA-3034 is extremely compatible with most paint systems and can be used in both water and solvent-based industrial coatings. The advantage of improved substrate wetting, caused by reduced interfacial tension, also results in foam stabilization in most cases. Therefore, it is appropriate to use suitable defoamers at the same time.

AFCONA – 3034 is recommended in below systems:

- 1) Plastic coatings like PU, UV and thermoplastic acrylic system. It gives good leveling as well as improved substrate wetting. Eliminates common problems of plastic coatings like crater and levelling.
- 2) Industrial baking systems where anti-crater and vertical leveling is needed.
- 3) Other solvent based coating where anti-crater, substrate wetting and vertical leveling are needed.

- 4) It also can be use in water-based systems for leveling, anti-crater and slip performance.

Product specification

Active ingredients	50 – 54%
Solvents	methoxypropanol
Density at 20 °C	0.97 - 0.99 g/cm ³
Refractive index	1.420 - 1.430
Flashpoint	32 °
Appearance	transparent to slight yellowish

Addition and dosage

0.05 – 0.5% on total formulation. In general under normal conditions, the dosage is 0.05 – 0.2% based on total formulation.

Incorporation

AFCONA-3034 can be added at any stage of production process.

Storage

AFCONA-3034 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

25 kg and 180 kg non-returnable containers