

# AFCONA - 3591



## Chemical Composition

Fluorocarbon modified polydimethylsiloxane.

## Product general description

AFCONA-3591 is a wetting leveling agent for water-born coatings and ink systems.

## Product properties

AFCONA-3591 is a wetting and leveling agent of polydimethylsiloxane which modified by fluorocarbon and polyether. It can rapidly reduce the surface tension, improve the substrate wetting, and has excellent anti-cratering and leveling promoting property. meanwhile, there is no interlayer adhesion problem.

AFCONA-3591 has good compatibility with most resins. More tests required to evaluate foam stabilizing behavior in foam sensitive system before application.

AFCONA-3591 has below advantages:

- Excellent anti-crater performance;
- Good leveling property;
- Fast substrate wetting ability;
- No interlayer adhesion problems, no negative influence of re-coating.

## Product Specification

Non-volatile matter	88 – 92%(100°C*0.5h)
Solvent	Water
Density	1.01 – 1.04 g /cm <sup>3</sup> (20°C)
Refractive index	1.419 – 1.439(25°C)
Flash point	>100°C
Gardner color	Max.6
Appearance	Transparent, yellow liquid(25°C)

## Addition and dosage

0.1- 1.0% on total formulation.

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

## Incorporation

AFCONA – 3591 is recommended to be incorporated after mill process. Shear force is required to ensure well-mixed.

## Storage

AFCONA-3591 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 3 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25kg and 190kg non-returnable containers

**For product safety information: please take reference of SDS.**