

AFCONA – 3580



Chemical Composition

Organically modified polysiloxane for aqueous systems.

Product general description

Silicone based levelling and anti-crater agent for aqueous coatings without influent of inter coating adhesion.

Product Properties

AFCONA-3580 is an organically modified polysiloxane with very short chain repeatable units of siloxane. Due to the small molecules, they move very fast to a defected area. This gives very good anti-crater properties without any intercoat adhesion problems.

AFCONA – 3580 is also widely uses in electroplating and electro deposition coating to avoid crater formation as well as giving a smooth, good leveling and good appearance coating. Itself is not an ionic structure, does it can be use in anionic and cationic system.

AFCONA-3580 is recommended to use in all kind of water-based coatings with a pH range of 4 - 10.

The use of AFCONA-3580 gives the following advantages:

1. excellent anti-crater behavior
2. improved levelling
3. better substrate wetting
4. no intercoat adhesion problems
5. little or no foam stabilization

Note: the slip performance, due to the small molecules, is less.

Product specification

Active ingredients	≥95%
Density at 20 °C	1.09 - 1.13 g/cm ³
Refractive index	1.456 - 1.466
Colour	max.3
Appearance	transparent to slightly yellowish liquid

Addition and dosage

0.1 - 1.0% on total formulation. In general, under normal conditions, the dosage is 0.1 – 0.3% based on total formulation.

Incorporation

AFCONA-3580 should be added prior to, or after processing

Storage

AFCONA-3580 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

25 kg and 180 kg non-returnable containers