

# AFCONA - 2503



## Chemical Composition

Organically modified polysiloxane.

## Product general description

Water based defoamer and anti-foam with levelling property for high shear application such as pigment concentrate preparation.

## Product properties

AFCONA- 2503 is an organically modified polysiloxane which designed to give good defoamer, anti-foam and levelling performances in all water based coating. It has very low sensitivity to formation of craters to the coating.

AFCONA – 2503 have below performance and properties:

- 1 ) It has very good performance in high shear application. Under high shear environment such as long period of grinding, it still can maintain its good defoaming and anti-foam performance. Thus very suitable to use as defoamer in pigment concentration preparation and high speed flexo printing process.
- 2) It is also effective as defoamer in normally coating ranging from PU dispersion to normal acrylic based decorative paint.
- 3) Beside good defoaming and anti-foam properties, it also has good leveling performance. Most defoaming available in the market will affect the leveling property of a coating and leveling agent will give more foam formation to the coating. Thus AFCONA 2503 serves as a perfect product as it works as defoamer, also gives leveling property.
- 4) Due to the levelling property, it also will not give crater formation to the coating, another perfect performance that most coating formulators dream of to have.

## Product Specification

Non-volatile matter	≥96% (120°C,0.5h)
Density	0.97 – 1.01 g/cm <sup>3</sup> (20°C)
The refractive index	1.435 – 1.445 (25°C)
Flash point	>100°C
Appearance	Clear to slight yellowish liquid(25°C)

## Addition and dosage

0.05 – 1.00% on total formulation. In general under normal conditions, the dosage is 0.05 – 0.25% based on total formulation. In pigment paste preparation, normal dosage will be ranging from 0.5 to 1.0%.

## Incorporation

AFCONA-2503 can be added at any stage during production process.

## Storage

AFCONA-2503 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25kg and 200kg non-returnable containers

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.