

# AFCONA – 4595



## Chemical Composition

Special designed block copolymer

## Product general description

High molecular weight polymeric dispersant for deflocculation of pigments in water-based decorative as well as industrial paints

## Product Properties

AFCONA-4595 is a wetting and dispersing additive for water-based coatings and pigment concentrates. It prevents negative flocculation effects like; flooding and floating and improve the storage stability.

AFCONA-4595 is recommended for all kind of pigments. Also very suitable for transparent iron oxides.

It stabilize the pigments through effective steric hindrance and electric repulsion.

This all result in the concentrates in:

- lower viscosities and
- very stable dispersions with good storage stabilities
- high color strengths

In the final coating in:

- no flooding and floating
- high color strength
- high gloss
- good storage stability

AFCONA-4595 is complete water-soluble and does not necessary has to be neutralize.

Note: for optimum dispersing use no resin in grinding phase

## Product specification

Active ingredients	38 – 42%
Solvent	Water
Density at 20 °C	1.05 – 1.07 g/cm <sup>3</sup>
Refraction Index	1.39 – 1.40
Acid value	7 – 15 mg KOH/g
Colour	9 - 11

## Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

TiO <sub>2</sub>	: 4 - 5%
Other inorganic pigments	: 8 - 12%
Organic pigments	: 12 - 30%
Carbon blacks	: 50 - 60%
Transparent Iron Oxides	: 10 -15%

## Incorporation

AFCONA-4595 should be incorporated in the mill base before adding the pigments

## Storage

AFCONA-4595 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.

Note: Below 0 ° C separation or turbidity could occur. Warm up to 20 ° C and mix well

## Packaging

25 kg and 180 kg non-returnable containers