

AFCONA – 4595



Chemical Composition

Specially-designed block copolymer

Product general description

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

Product Properties

AFCONA-4595 is a wetting and dispersing additive for water-based coatings and pigment concentrates. It improves storage stability and prevents negative flocculation effects such as flooding and floating.

It stabilizes pigments through effective steric hindrance and electric repulsion. This results in concentrates that have:

- lower viscosities
- very stable dispersions
- good storage stability
- high color strength

And final coatings which have:

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

AFCONA-4595 is completely water-soluble and does not require neutralization.

This product is recommended for all types of pigments. It is also very suitable for transparent iron oxides.

Note: for optimum dispersion use no resin in the grinding phase

Product specification

Active ingredients	39 – 43%
Solvent	Water
Density at 20 °C	1.02 – 1.06 g/cm ³
Refraction Index	1.39 – 1.41
Acid value	7 – 15 mg KOH/g
Colour	max 11

Addition and dosage

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

TiO ₂	: 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 its original, unopened container, it will keep up to 3 years from the date of manufacture. The expiration date is indicated on the container.

Note: Below 32° F separation or turbidity may occur. Increase temperature to 68° F and mix well before use.

Packaging

55 lb and 419 lb non-returnable containers