

AFCONA - 4595



Chemical Composition

Special designed block copolymer.

Product general description

High molecular weight polymeric dispersant for de-flocculation 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
- compatible with most architecture coating systems.

In the final coating in:

- no flooding and floating
- high color strength
- high gloss
- good storage stability
- low influence of water resistance

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

AFCONA-4595 is for optimum dispersing use no resin in grinding phase and general water-based colorant masterbatch, and also suitable for all kinds of water based architecture and industrial coatings. For economic considerations, AFCONA-4595 can be combined with AFCONA-6225 to reduce the cost and also can keep the performance.

Product Specification

Non-volatile matter	39 -43% (120°C,0.5h)
Solvent	Water
Density	1.02 – 1.06 g/cm ³ (20°C)
Tjhe refractive index	1.390 – 1.410 (25°C)
Acid value	7 – 15 mg KOH/g
Flash point	>100°C
Appearance	Transparent, brownish liquid (25°C)

Addition and dosage

Active ingredient on pigment:

TiO ₂	: 2 - 3%
Other inorganic pigments	: 2 - 5%
Organic pigments	: 20 - 40%
Carbon blacks	: 20 - 60%
Transparent Iron Oxides	: 5 -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.

Packaging

30kg and 210 kg non-returnable plastic containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.