

AFCONA - 4597



Chemical Composition

Special designed block copolymer with multifunctional anchoring groups.

Product general description

General dispersing agent for water-based applications with an extreme good water resistance.

Product Properties:

High molecular weight polymeric dispersant for deflocculation of pigments in water-based decorative as well as industrial paints. Also very suitable for water-based resin-free pigment concentrates. It prevents negative flocculation effects like: flooding and floating and improve the storage stability.

Recommended for all kind of pigments including transparent iron oxides.

Stabilize pigments through effective steric hindrance and electrical 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

Note: for optimum dispersing use no resin in grinding phase

Product Specification

Non-volatile matter	38 -42% (120°C,0.5h)
Solvent	Water
Density	1.02 – 1.06 g/cm ³ (20°C)
Acid value	6 – 13 mg KOH/g
Amine value	10 - 16 mg KOK/g
Flash point	>100°C
Gardner color	Max.15
Appearance	Transparent, brownish liquid (25°C)

Addition and dosage

Active ingredient on pigment:

TiO ₂	: 2 - 3%
Other inorganic pigments	: 2 - 4%
Organic pigments	: 20 - 40%
Carbon blacks	: 20 - 60%

Incorporation

AFCONA-4597 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4597 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 200 kg non-returnable plastic containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.