

AFCONA-4599S



Chemical Composition

High molecular weight modified polyacrylate compound.

Product general description

High molecular weight polymeric dispersant with strong viscosity reduction for water-based industrial paint.

Product Properties

AFCONA-4599S is a wetting and dispersing agent with a specially designed high molecular weight polyacrylate polymer. It makes organic and inorganic pigments, as well as carbon blacks, more easy to be dispersed and more stable.

Due to its specially designed structure, AFCONA-4599S is suitable for a special construction process where solvent-based metal concentrates are manufactured and then converted to water-based systems. It also offers better water resistance than conventionally designed products.

AFCONA-4599S offers the following advantages:

- Lower viscosity of pigment concentrate
- High color strength
- Better transparency of the paint film
- Prevention of floating and flooding
- Low impact on water resistance

Product Specification

Non-volatile matter	40 - 44% (150°C, 0.5h)
Solvent	Tripropylene glycol monomethyl ether
Density	0.98 - 1.02 g/cm ³ (20°C)
Refractive index	1.435 - 1.455 (25°C)
Acid value	3 - 9 mg KOH/g
Amine value	8 - 14 mg KOH/g
Flash point	>100°C
Appearance	Transparent, brownish liquid (25°C)

Addition and dosage

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

TiO ₂	: 2-5%
Other inorganic pigments	: 5-10%
Organic pigments	: 20-60%
Carbon blacks	: 40-80%

Incorporation

AFCONA-4599S should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4599S shall be stored in cool, dry and freeze-proof place. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 200kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.