

AFCONA - 4401



Chemical Composition

Modified polyacrylate polymer.

Product general description

High molecular weight polymeric dispersant for deflocculation of all type of pigments.

Product Properties:

AFCONA-4401 is an effective polymeric dispersant for stabilizing inorganic and organic pigments. It has very good stability performance, through effective steric hindrance, on all type of pigments.

This results in:

- improved gloss and DOI
- reduced flooding problems
- high colour strength

AFCONA-4401 shows a wide compatibility, from low polar to high polar systems, including nitrocellulose and Thermoplastic Acrylic. However for those systems we have better products like AFCONA – 4200 and AFCONA – 4000.

Care must be taken with AFCONA-4401 as it has a tendency to yellowing or gelling when used in combination with chlorinated polymers and/or epoxies.

AFCONA-4401 gives high thixotropy milling pastes, which also results in higher milling viscosity.

AFCONA-4401 is used in all kinds of high quality solvent-based industrial coatings including automotive topcoats. The best performance is given in the following resin systems:

- Oil free Polyesters
- Thermosetting Acrylics
- Thermoplastic acrylics
- Nitrocellulose combinations
- CAB mixtures

Product Specification

| | |
|--------------------|---|
| Active ingredients | 50 -54% |
| Solvent | n-butyl acetate/ Iso-butanol/2-methoxy-2-methylethel acetate |
| Density at 20°C | 0,94 – 0,96 g/cm ³ |
| Amine value | 45 – 60 mg KOH/g |
| Flash point | 43°C |
| Color | Max.4 |

Addition and dosage

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

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

Incorporation

AFCONA-4401 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4401 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 190 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com/www.afcona.com.my

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This version replaces all previous ones.