

AFCONA – 4531



Chemical Composition

Modified polyacrylic polymer

Product general description

High molecular weight, mainly for water based but also can be used in solvent-based paint

Product Properties

AFCONA-4531 is a polymeric dispersant for stabilizing inorganic and organic pigments in water and solvent based systems. Through effective steric hindrance and electrostatic repulsion an excellent stability performance on all type of pigments is given.

For Solvent based

AFCONA-4531 is a polar polymer where it gives very good compatibility to difficult polar systems such as NC, wash primer, etc. Pigment paste that based on AFCONA – 4531 gives very easy incorporation property.

For Water based

AFCONA – 4531 should be pre-neutralized before it can be completely soluble in water. Before adding to the mill base, AFCONA - 4531 should be neutralized up to pH 8.5 - 9.0 and complete water-solubility will be obtained by e.g. addition of 8.5% AMP 95.

AFCONA-4531 not recommended for manufacturing of resin free pigment concentrate.

Note: AFCONA – 4530 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

| | |
|--------------------|------------------|
| Active ingredients | 49 – 51% |
| Solvent | Methoxypropanol |
| Amine value | 20 – 30 mg KOH/g |
| Acid value | 30 – 40 mg KOH/g |
| Colour | max. 6 |

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-4531 should be incorporated in the mill base before adding the pigments

Storage

AFCONA-4531 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 indicated on the container.

Packaging

25 kg and 180 kg non-returnable containers