

AFCONA – 4599



Chemical Composition

Modified high molecular weight Polyacrylate solution in water

Product general description

High molecular weight polymeric dispersant for deflocculating of pigments in water-based decorative as well as industrial paints

Product Properties

AFCONA-4599 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.

The special designed structure of AFCONA-4599 allowed the polymer easily dissolve in water but come with very minimum water resistance influence to final coating. It does not come with co-solvent, thus make it suitable for low VOC coating.

This all result in the concentrates in:

- lower pigment paste viscosity
- high tinting strength
- excellent in providing good transparency to organic pigment and carbon black
- prevent floating and flooding
- very low influence to final coating water resistance

AFCONA-4599 is complete water-soluble and does not necessary has to be neutralize.

AFCONA – 4599 is recommended for preparation of water based resin free pigment paste as well as universal pigment paste formulations. Suitable for all industrial and decorative paint.

Product specification

| | |
|--------------------|-------------------------------|
| Active ingredients | 39 – 43% |
| Solvent | Water |
| Density at 20 °C | 1.02 – 1.06 g/cm ³ |
| Acid value | 4 – 10 mg KOH/g |
| Amine Value | 8 – 14 mg KOH/g |

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

Storage

AFCONA-4599 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.

Note: Below 0 ° C separation or turbidity could occur. Warm up to 20 ° C and mix well

Packaging

25 kg and 180 kg non-returnable containers