

Dispersion Control Additive Technical Data Sheet 16/10/2024

KAM-DCA 110

Dispersion control additive for solvent-borne and solvent-free coatings and printing inks for stabilizing inorganic pigments, in particular titanium dioxide. Strong reduction of mill-base viscosity.

Technical Specifications

Composition Solution of polymeric phosphoric acid ester

Alkylbenzene/Methoxypropylacetate Solvent(s)

Acid value 50-54 mg KOH/g Specific gravity @ 20°C : ca. 1.03 g/cm³

Flashpoint 42 °C

Appearance Transparent yellowish liquid

Active matter 51-53%

Applications

KAM-DCA 110 helps to wet and disperse inorganic pigments and extenders leading to:

- Reduced dispersing time
- Higher pigment load
- Improved gloss and flow
- Elimination of haze during electrostatic application
- Reduced viscosity of the mill-base (Less viscosity reduction power compared to KAM-DCA 610A)

Due to its particularly good combination of price and performance, KAM-DCA 110 is a very attractive substitute for conventional wetting and dispersing agents.

KAM-DCA 110 is recommended in:

- General industrial coatings
- Automotive OEM and refinish coatings
- Coil coating
- Acid-curable systems
- PU sanding sealers

KAM-DCA 110 should be incorporated in the mill-base before adding the pigments. Amount of additive based upon pigment can be determined as follows:

Inorganic pigments : 5-10% (as supplied) TiO₂/extenders : 2-4% (as supplied)

Storage, Safety and Packaging

To be stored in a cool dry place and handled in accordance with good industrial practice. When kept in an original unopened container, it will keep up to min. 4 years from the date of manufacture.

KAM Kimya Sanayi Ve Ticaret Limited Şirketi Organize Sanayi Bölgesi Mah. 24 Nolu CAD. No: 1 Merkez/Kilis Turkey

The technical information and specifications contained in this data sheet are based on careful investigations and given to the best of our knowledge. Nevertheless, circumstances under which the product is used in practice are subject to many variations.