

Dispersion Control Additive Technical Data Sheet 02/09/2023

KAM-DCA 106

Highly concentrated dispersion control additive for solvent-based coatings (Mosly architectural), inks and pigment concentrates on the basis of alkyd resins.

Especially recommended for difficult pigments, including carbon black pigment.

Technical Specifications

Composition : Block copolymer with pigment affinic groups

Specific gravity @ 20°C : ca. 0.95 g/cm³

Acid value : 70-74 mg KOH/g

Amine value : 94-98 mg KOH/g

Appearance : Clear brownish liquid

Active matter : >98%

Applications

KAM-DCA 106 is a multi-purpose dispersion control additive for solvent-based coatings to improve pigment wetting, reduce the time required for the grinding process and stabilize the pigment dispersion. It is applicable in practically all solvent-based coating and ink systems such as oxidatively drying and thermoplastic systems.

KAM-DCA 106 can be used in coating and printing ink applications. The use of **KAM-DCA 106** results in the following advantages:

- Reduced dispersion time
- Improved color development
- Reduced rub-up and color float
- · Improved compatibility of universal colorants
- Reduced viscosity of the mill-base

When used in whites, **KAM-DCA 106** will improve the co-stabilization of added organic tinting or toning bases (e.g. color acceptance) resulting in reduced risk of pigment separation.

KAM-DCA 106 is suitable for formulating pigment concentrates on the basis of long-oil alkyds. **KAM-DCA 106** has a broad solvent compatibility and is suitable for use in both alcohol- and acetate-rich nitrocellulose printing inks and pigmented bases.

KAM-DCA 106 should be incorporated in the mill-base before adding the pigments. Amount of additive based upon pigment can be determined as follows:

Inorganic pigments : 2-5% (as supplied)
TiO₂ : 0.8-1.5% (as supplied)
Organic pigments : 8-14% (as supplied)
Carbon blacks : 8-12% (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.

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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 produced by produced to produce the produced to t

the product is used in practice are subject to many variations.

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