

KAM-DCA 196

Highly concentrated dispersion control additive for solvent-based coatings (Mosly architectural), inks and pigment dispersions on the basis of alkyd resin.
Especially recommended for difficult pigments, including carbon black pigments.

Technical Specifications

Composition	: Neutralized polymeric phosphoric acid ester
Specific gravity @ 20°C	: ca. 1.04 g/cm ³
Acid value	: 100-110 mg KOH/g
Amine value	: 50-60 mg KOH/g
Appearance	: Clear yellowish liquid
Active matter	: >90%

Applications

KAM-DCA 196 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 196 can be used in coating and printing ink applications. The use of **KAM-DCA 196** 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 196** 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 196 is suitable for formulating pigment concentrates on the basis of long-oil alkyds. **KAM-DCA 196** can be combined with **KAM-DCA 225** for the preparation of universal colorants.

KAM-DCA 196 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)
TiO ₂	: 0.8-1.5% (as supplied)
Organic pigments	: 3-15% (as supplied)
Carbon blacks	: 3-15% (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.