

## 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/cm <sup>3</sup>
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)
TiO <sub>2</sub>	:	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.