

KAM-DCA 108

Low molecular weight dispersion control additive for solvent-based architectural coatings and pigment concentrates on the basis of alkyd resins.
Broad compatibility in commonly used resins systems due to the absence of solvents.

Technical Specifications

Composition	:	OH-functional carboxylic acid ester with pigment affinic groups
Specific gravity @ 20°C	:	ca. 0.95 g/cm ³
Amine value	:	80-90 mg KOH/g
Appearance	:	Clear brownish liquid
Active matter	:	>98%

Applications

KAM-DCA 108 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 especially developed for solvent-based architectural paints to stabilize TiO₂, extenders and other inorganic and organic pigments. It may also be used in general industrial coatings.

KAM-DCA 108 can be used in coating and printing ink applications. The use of **KAM-DCA 108** results in the following advantages:

- Reduced dispersion time
- Better color strength
- Increased gloss
- Better hiding power (inorganic pigments)
- Reduced viscosity of the mill-base

When used in whites, **KAM-DCA 108** 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 108 is suitable for formulating pigment concentrates on the basis of long-oil alkyds.

KAM-DCA 108 has a broad solvent compatibility and is suitable for use in both alcohol- and acetate-rich nitrocellulose printing inks and pigmented bases.

KAM-DCA 108 should be incorporated in the mill-base before adding the pigments.

Amount of additive based upon pigment can be determined as follows:

Inorganic pigments	:	3-5% (as supplied)
TiO ₂	:	0.8-1.5% (as supplied)
Organic pigments	:	5-8% (as supplied)
Carbon blacks	:	8-10% (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.

If stored at temperatures lower than 15 °C, the product may turn slightly turbid due to crystal formation.

This phenomenon is reversible though and does not affect the product performance. Warm to 20-25 °C.

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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 used in practice are subject to many variations.

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