

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	:	85-91 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.