

KAM-DCA 220

VOC-free fatty acid-based polymer to stabilize all kinds of pigments and extenders in water- and solvent-based systems.

Multi-functional dispersion control additive for VOC-free applications.

It is ideal for the improvement of the compatibility of colorants with the bases (post-addition).

Technical Specifications

Composition	:	Fatty-acid based polymer
Specific gravity @ 20°C	:	ca. 1.00 g/cm ³
Acid value	:	19-27 mg KOH/g
Amine value	:	30-40 mg KOH/g
Appearance	:	Dark brownish liquid
Active matter	:	>98%

Applications

KAM-DCA 220 stabilizes organic and inorganic pigments and extenders in water- and solvent-based systems, especially in decorative coatings.

KAM-DCA 220 is the product of choice for easy dispersion of transparent iron oxides in any resin system.

KAM-DCA 220 is also ideal for the preparation of matting agent dispersions and slurries.

When used in coil and wood coatings (mainly white), wetting and gloss are improved, mill-base viscosity is reduced and flooding/floating is prevented. In addition, no yellowing is caused.

The incorporation of **KAM-DCA 220** into the base paints (water- and solvent-based) can increase compatibility and color acceptance, especially in water-based and ultra-low aromatic content decorative paints.

Key benefits when using **KAM-DCA 220**:

- Maximum color development
- Higher pigment loading
- Optimum color acceptance of universal colorants in the bases

KAM-DCA 220 should be incorporated in the mill base before adding the pigments.

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

Inorganic pigments	: 5-10% (as supplied)
Organic pigments	: 10-20% (as supplied)
Carbon blacks	: 25-50% (as supplied)
Post-addition	: 0.5-1.5% (as supplied) on total base weight

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.