

KAM-DCA 225

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

Suitable for the preparation of universal colorants for architectural paints.

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. 1.04 g/cm ³
Acid value	:	47-51 mg KOH/g
Amine value	:	46-50 mg KOH/g
Appearance	:	Brownish viscous liquid
Active matter	:	>98%

Applications

KAM-DCA 225 stabilizes organic and inorganic pigments and extenders in water- and solvent-based systems, especially in decorative coatings. In addition, it makes polar ingredients of universal colorants more compatible with non-polar solvent-based paints into which they may be incorporated.

Key benefits when using **KAM-DCA 225**:

- Maximum color development
- Higher pigment loading
- Optimum color acceptance of universal colorants in the bases
- Low or no VOC presence in the colorant formulation

KAM-DCA 225 must be neutralized to a pH close to 8.5 (Approximate method: 10 g additive with 1.5 g NaOH [25% solution in water]) to allow strong viscosity reduction in highly pigmented colorants.

The incorporation of **KAM-DCA 225** 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.

KAM-DCA 225 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.