KAM-DCA 66

Low molecular weight dispersion control additive for solvent-based, medium- to high-polarity coatings to prevent flooding and floating of TiO_2 in combination with colored pigments.
Ideal for the prevention of hard settling.

Technical Specifications

Composition	:	Low molecular weight unsaturated polycarboxylic acid polymer
Solvent(s)	:	Alkylbenzene/Diisobutylketone
Specific gravity @ 20°C	:	ca. 0.95 g/cm^3
Acid value	:	140 mg KOH/g
Appearance	:	Clear brownish liquid
Active matter	:	52%

Applications

KAM-DCA 66 produces a controlled flocculation of pigments and extenders and therefore prevents flooding/floating and hard sedimentation. Bridges are built between the individual pigment particles, thereby creating 3D networks.

KAM-DCA 66 is particularly suited to medium- to high-polarity coating systems (Nitrocellulose systems, alkyd/amino resin combinations, polyurethane and chlorinated polymer systems, acrylic polyisocyanate systems, …etc.) to prevent the flooding and floating of TiO_2 in combination with colored pigments.

KAM-DCA 66 is also used in amine-neutralized aqueous coatings, but it is not compatible with mineral spirits or paints, which are diluted with mineral spirits.

When used in anti-corrosion primers, in many cases the protective properties are enhanced.

KAM-DCA 66 should be incorporated in the mill-base before adding the pigments.
Amount of additive based upon pigment can be determined as follows:

Inorganic pigments : 3-10% (as supplied)
TiO_2 : 0.5-2.5% (as supplied)
Organic pigments : 10-20% (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.

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