

KAM-DCA 65

Low molecular weight dispersion control additive for solvent-based, medium- to high-polarity coatings to prevent flooding and floating of TiO₂ in combination with colored pigments. This additive contains silicone to improve flooding and floating behaviors.

Technical Specifications

| | | |
|-------------------------|---|---|
| Composition | : | Low molecular weight unsaturated polycarboxylic acid polymer and a polysiloxane copolymer |
| 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 65 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 65 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 TiO₂ in combination with colored pigments.

KAM-DCA 65 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 65 contains a small amount of a very compatible organically modified polysiloxane copolymer, which makes it very useful in preventing Bénard cells and silking. This compatible polysiloxane copolymer will also improve surface slip, orientation of flattening agents and aluminum flakes; and increase gloss in the final coating.

KAM-DCA 65 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.