

Dispersion Control Additive Technical Data Sheet 01/05/2023

KAM-DCA 409

Multi-purpose high molecular weight dispersion control additive for solvent-based coatings. Due to its particularly good combination of price and performance, it is a very attractive substitute for conventional dispersion control additives.

Low solvent content.

Technical Specifications

Composition : Modified polyurethane with pigment affinic groups

Solvent(s) : Butylacetate/Methoxypropylacetate/n-Butanol

Specific gravity @ 20°C : ca. 1.00 g/cm³

Flashpoint : 24 °C

Amine value : 10 mg KOH/g Acid value : 29 mg KOH/g

Appearance : Clear to slightly hazy yellowish liquid

Active matter : 60%

Applications

KAM-DCA 409 is a multi-purpose high molecular weight dispersion control additive for all solvent-based paints from high performance industrial coatings to normal decorative paints.

KAM-DCA 409 is a very cost-effective dispersion control additive that reduces the time required for the grinding process and improves gloss and levelling. Due to its resin-like structure, it does not affect paint binder durability.

KAM-DCA 409 prevents a possible co-flocculation, which leads to flood- and float-free color in pigment mixtures.

KAM-DCA 409 is particularly recommended in the following resin systems:

- Acrylic/melamine and polyester/melamine
- Acrylic/isocyanate, polyester/isocyanate and epoxy/polyamine
- Thermoplastic acrylic
- Alkyd
- Epoxy

KAM-DCA 409 should be incorporated in the mill-base before adding the pigments. Amount of additive based upon pigment can be determined as follows:

Inorganic pigments : 10% of oil absorption value (solid form) or 5-10% (as supplied)

Organic pigments : 30-50% of <u>BET value</u> (solid form) or 30-50% (as supplied)

Carbon blacks : 15-25% of <u>DBP value</u> (solid form) or 40-80% (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.

KAM Kimya Sanayi Ve Ticaret Limited Şirketi Organize Sanayi Bölgesi Mah. 24 Nolu CAD. No: 1 Merkez/Kilis Turkey

+90 (0)3488 033 939

The technical information and specifications contained in this data sheet are based on careful investigations and given to the best of our knowledge. Nevertheless, circumstances under which the product is used in practice are subject to many variations.

KAM-FCA®, KAM-SCA®, KAM-DCA® and KAM-RCA® are registered trademarks of KAM Kimya.