KAM-DCA 46

High molecular weight dispersion control additive for solvent-based coatings.
Preferably used in high performance solvent-based coatings but also in automotive coatings.
It can be as well used in resin-containing pigment concentrates.
Broad compatibility in commonly used resins systems.

Technical Specifications

Composition	:	Modified polyurethane with pigment affinic groups
Solvent(s)	:	Butylacetate/Methoxypropylacetate/n-Butanol
Specific gravity @ 20°C	:	ca. 0.99 g/cm^3
Flashpoint	:	24 °C
Amine value	:	19 mg KOH/g
Appearance	:	Clear to slightly hazy yellowish liquid
Active matter	:	40%

Applications

KAM-DCA 46 deflocculates pigments and stabilizes them by means of steric hindrance.
It provides equal electrical charge to the pigment particles.
The resulting repulsion and the steric stabilization prevent a possible co-flocculation, which leads to flood- and float-free color in pigment mixtures. The deflocculating properties of the additive lead to:

- Increased gloss
- Better color strength
- Reduced dispersion time
- Reduced viscosity of the mill-base

KAM-DCA 46 is recommended in general industrial coatings but also in automotive coatings. It can be as well used in in resin-containing pigment concentrates.

KAM-DCA 46 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 <u>oil absorption value</u> (solid form) or 11-22% (as supplied)
Organic pigments   : 30-50% of <u>BET value</u> (solid form) or 33-65% (as supplied)
Carbon blacks   : 15-25% of <u>DBP value</u> (solid form) or 90-110% (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.