

KAM-DCA 115

High molecular weight dispersion control additive for solvent-based coatings with strong viscosity depressing properties.

Recommended for universal solvent-based pigment concentrates, particularly where cost-effective performance is vital.

Technical Specifications

Composition	: Block copolymer with pigment affinic groups
Solvent(s)	: Xylene/Butylacetate/Methoxypropylacetate
Specific gravity @ 20°C	: ca. 1.00 g/cm ³
Flashpoint	: 28 °C
Acid value	: 18-21 mg KOH/g
Amine value	: 7-9 mg KOH/g
Appearance	: Slightly yellowish liquid
Active matter	: 55%

Applications

KAM-DCA 115 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:

- Improved gloss
- Reduced flooding
- Increase color strength
- Higher pigment loads
- Drastically reduced viscosity of the mill-base

KAM-DCA 115 is recommended in general industrial and high-quality architectural coatings.

Thanks to its broad compatibility and viscosity reduction power, it is well suited to the formulation of pigment concentrates.

KAM-DCA 115 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 10-25% (as supplied)

Organic pigments : 30-55% of BET value (solid form) or 25-65% (as supplied)

Carbon blacks : 15-30% of DBP value (solid form) or 70-100% (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.

Separation or turbidity may occur at temperatures < 0 °C. Warm to 20 °C and mix well.