

KAM-DCA A40

Low viscosity dispersion control additive for water-based coating systems, especially suitable for the dispersion of inorganic pigments.

It is manufactured to a relatively narrow molecular weight distribution, resulting in a consistent product quality with maximum effectiveness.

Technical Specifications

Composition	: Solution of an ammonium salt of an acrylic polymer
Solvent(s)	: Water
Specific gravity @ 20°C	: ca. 1.17 g/cm ³
pH	: 7.00-7.60
Appearance	: Pale yellow liquid
Solid content	: 42.5-43.5% (60 min. @120 °C)

Applications

KAM-DCA A40 is an ideal dispersion control additive for a wide range of water-based coatings.

KAM-DCA A40 is recommended in a wide range of market applications:

- Paints
- Adhesives
- Ceramics
- Electronic ceramics

KAM-DCA A40 can be used as supplied. The neutralizing alkali used in conjunction with the acrylic polymer can significantly impact the properties of the final coating. It releases ammonia during the drying process and therefore has little impact on water and alkaline resistance of the dry film.

Use of **KAM-DCA A40** should be limited to pH between 5 and 10.5 and temperatures lower than 70 °C due to potential loss of volatile ammonia. It is recommended to add the pigment to water containing the dispersion control additive with stirring as opposed to addition of the dispersion control additive to a pigment slurry. In general, the pH of the final preparation should be in the region of 8.5 to obtain optimum dispersing efficiency.

KAM-DCA A40 is based on a special polymer that improves storage stability of both pigment dispersions/pastes and formulated paints showing no or little reaction to high temperatures or pH changes.

KAM-DCA A40 should be incorporated in the mill-base before adding the pigments. Amount of additive based upon pigment should be 0.1-2.0%

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. 1 year from the date of manufacture.