

KAM-DCA N40

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 a sodium salt of an acrylic polymer
Solvent(s)	: Water
Specific gravity @ 20°C	: ca. 1.33 g/cm ³
pH	: 6.5-7.5
Appearance	: Straw-colored to colorless liquid
Solid content	: 46-50% (60 min. @ 120 °C)

Applications

KAM-DCA N40 is an ideal dispersion control additive for a wide range of water-based coatings.

KAM-DCA N40 is recommended in a wide range of market applications:

- Paints
- Adhesives
- Ceramics
- Electronic ceramics

KAM-DCA N40 can be used as supplied to produce a wide range of aqueous slurries and dispersions (Calcium carbonate, kaolin/China clay, dolomite, ferrite, magnesium hydroxide, talc, titanium dioxide, ...etc.). **KAM-DCA N40** can be used to increase the solids loading of the required inorganic dispersion or reduce the working viscosity at a given solids content.

It is recommended to add the pigment to water containing the dispersing agent with stirring as opposed to addition of the dispersing agent 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 N40 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 N40 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. Avoid frost and freezing. Do not store in steel, copper or aluminum containers.

When kept in an original unopened container, it will keep up to min. 1 year from the date of manufacture.