

KAM-DCA 616

Dispersion control additive for solvent-borne and solvent-free coatings and composite for stabilizing inorganic pigments and extenders.

Particularly suitable for car putties (based on unsaturated polyester resin) as well as solvent-free epoxies and polyurethanes.

Technical Specifications

Composition	: Acidic polyester with pigment affinic groups
Acid value	: 155-165 mg KOH/g
Specific gravity @ 20°C	: ca. 1.14 g/cm ³
Appearance	: Clear brownish liquid
Active matter	: >98%

Applications

KAM-DCA 616 is an efficient dispersion control additive for titanium dioxide and inorganic fillers, especially CaCO₃ and ATH (Aluminium trihydroxide) in unsaturated polyester resin systems.

This results in:

- Improved wetting and incorporation of extenders
- Reduced viscosity of the paste/compound
- Increased filler and extender load

KAM-DCA 616 is suited for filled unsaturated polyester systems (sheet and bulk moulding compounds, gelcoats and putties) or combination of polystyrene, polyvinylacetate and styrenebutadiene copolymers (e.g. LS- or LP-formulations). Unlike **KAM-DCA 615**, **KAM-DCA 616** does not affect curing time when used in cobalt-catalyzed systems.

KAM-DCA 616 is also suitable for use in solvent-based and solvent-free systems.

KAM-DCA 616 should always be incorporated before addition of pigment or filler. For use in composite formulations, **KAM-DCA 616** must be added directly to resin while stirring. Then add fillers or extenders. Amount of additive based upon pigment can be determined as follows:

Inorganic pigments and extenders : 0.5-2% (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. Product is clear at temperatures above 30 °C but at room temperature, it is a non-flowing semi-solid. The appearance does not have an influence on the performance.