



DELTA-DC® 4212

DELTA-DC® 4212 is a wetting and dispersing additive for solvent-based and solvent-free coatings to improve pigment wetting, reduce the grinding time and stabilize the pigment dispersion. DELTA-DC® 4212 is suitable for stabilizing inorganic pigments and extenders and strongly reduces mill-base viscosity. DELTA-DC® 4212 is suitable for coatings and composite.

Specifications:

Composition	:	Acidic polyether
Density	:	ca. 1.25 g/cm ³
Appearance	:	Clear brownish liquid
Acid value	:	270-310 mg KOH/g
Active ingredients	:	100%

Methods of analysis can be received upon request

Applications and usage:

► **Coatings**

DELTA-DC® 4212 is a conventional dispersant for solvent-based coatings to improve pigment wetting, reduce the dispersion time and increase gloss and flow. It is particularly suitable for stabilizing titanium dioxide and extenders. DELTA-DC® 4212 strongly reduces mill-base viscosity allowing high pigment loading.

It is suitable for the following applications:

- General industrial coatings
- Transportation coatings (OEM and car refinish)
- Acid-catalyzed systems (e.g. coil coatings)
- PU sanding sealers (e.g. wood coatings)

DELTA-DC® 4212 should be added prior to the dispersion/grinding process.

5.0-10.0% (delivery form) on inorganic pigments

1.0-4.0% (delivery form) on TiO₂ and extenders

► **Composite**

DELTA-DC® 4212 is an efficient wetting and dispersing agent for inorganic fillers, especially CaCO₃ and ATH 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

DELTA-DC® 4212 is suited for filled unsaturated polyester systems (sheet and bulk moulding compounds, gelcoats and putties) or combination of polystyrene, polyvinylacetate and styrene-butadiene copolymers (e.g. LS- or LP-formulations).

DELTA-DC® 4212 is directly added to the unsaturated polyester resin while stirring prior to the addition of the extenders.

0.5-1.0% (delivery form) on extenders

Safety and Handling:

DELTA-DC® 4212 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-DC® 4212 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The production date is indicated on the container.

Packaging:

50 kg and 180 kg non-returnable metallic containers.