

Technical Data Sheet

Last revised: **01-2019**

DELTA-DC® 4211

DELTA-DC® 4211 is a wetting and dispersing additive for solvent-based and solvent-free coatings and composite. **DELTA-DC® 4211** is suitable for stabilizing inorganic pigments and extenders and strongly reduces mill-base viscosity. **DELTA-DC® 4211** is suitable for **coatings** and **composite**.

Specifications:

Composition	: Acidic polyether
Density	: ca. 1.14 g/cm ³
Appearance	: Cloudy brownish liquid
Acid value	: 170-190 mg KOH/g
Active ingredients	: 100%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-DC® 4211 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 all kinds of extenders. **DELTA-DC® 4211** strongly reduces mill-base viscosity allowing high pigment and filler loadings.

DELTA-DC® 4211 is particularly suitable for car putties (based on unsaturated polyester resin) as well as solvent-free epoxies and polyurethanes.

DELTA-DC® 4211 should be added prior to the dispersion/grinding process.

0.5-2.0% (delivery form) on TiO₂, inorganic pigments and extenders

Composite

DELTA-DC® 4211 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® 4211 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).

DELTA-DC® 4211 is directly added to the unsaturated polyester resin while stirring prior to the addition of the extenders.

0.5-2.0% (delivery form) on extenders

Safety and Handling:

DELTA-DC® 4211 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.



Technical Data Sheet

Last revised: **01-2019**

Storage:

DELTA-DC® 4211 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 200 kg non-returnable metallic containers.
