



DELTA-DC® 4040

DELTA-DC® 4040 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® 4040 is suitable for stabilizing inorganic pigments and extenders and strongly reduces mill-base viscosity. DELTA-DC® 4040 is suitable for coatings and composite.

Specifications:

Composition	:	Solution of an acidic polyester polyamide
Solvent(s)	:	Xylene/n-butylacetate
Appearance	:	Transparent, yellowish liquid
Acid value	:	60-80 mg KOH/g
Active ingredients	:	56%

Methods of analysis can be received upon request

Applications and usage:

►Coatings

DELTA-DC® 4040 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® 4040 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® 4040 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® 4040 is an efficient wetting and dispersing agent for inorganic fillers. This results in:

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

DELTA-DC® 4040 is suited for filled unsaturated polyester systems (sheet and bulk moulding compounds, gelcoats and putties).

DELTA-DC® 4040 should be added to the resin system while stirring prior to the addition of the extenders.

0.5-2.0% (delivery form) on extenders

Safety and Handling:

DELTA-DC® 4040 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-DC® 4040 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.