

Technical Data Sheet

Last revised: 01-2019

DELTA-DC® 4244

DELTA-DC® 4244 is an anionic/cationic wetting and dispersing additive to improve the wetting of pigment surfaces and organically treated Bentonites and to reduce the time required for the grinding process.

DELTA-DC® 4244 is the standard wetting and dispersing additive for industrial and architectural coatings. Not only can it be used as a multi-purpose wetting and dispersing additive, but it can also be utilized to activate the organophilic Bentonites.

DELTA-DC® 4244 is suitable for **coating** and **composite**.

Specifications:

Composition	: Unsaturated polyamide and acid ester salts
Appearance	: Transparent, brownish liquid
Amine value	: 28-40 mg KOH/g
Acid value	: 46-65 mg KOH/g
Active ingredients	: >95%

Methods of analysis can be received upon request

Applications and usage:

DELTA-DC® 4244 reduces the interfacial tension between pigments or extenders and the vehicle leading to:

- Reduced dispersion/grinding times
- Decreased pigment sedimentation
- Increased gloss
- Improved flow

DELTA-DC® 4244 is a multi-purpose wetting and dispersing additive, which is compatible with all solvent and solvent-free coating systems. It can be used as well to provide excellent activation of organically treated Bentonites.

DELTA-DC® 4244 improves the dispersing/grinding process of fillers in glass fiber reinforced plastics. Through a better wetting and a more homogeneous distribution of the fillers, a strong viscosity reduction is obtained. This results in an improvement of the physical properties like the impact resistance, especially in systems filled with Al(OH)₃.

DELTA-DC® 4244 should be added prior to the dispersion/grinding process.

0.2-1.0% (delivery form) on inorganic pigments

1.0-5.0% (delivery form) on organic pigments

0.2-0.75% (delivery form) on extenders and TiO₂

Safety and Handling:

DELTA-DC® 4244 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-DC® 4244 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.



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Packaging:

50 kg and 180 kg non-returnable containers.
