

Technical Data Sheet

Last revised: **01-2019**

DELTA-SC® 2239

DELTA-SC® 2239 is a silicone-based levelling additive with defoaming properties. It improves the surface properties of solventbased and solvent-free coatings with particular emphasis upon levelling. With a slight influence on surface tension, **DELTA-SC® 2239** can impart defoaming properties to the system. It is soluble in aliphatic and aromatic hydrocarbons, esters and ketones but insoluble in water. Sometimes it is necessary to dilute this 100% active material with a compatible solvent to improve its compatibility in a particular system. **DELTA-SC® 2239** is suitable for **coatings** and **composite**.

Specifications:

Composition	: Solvent-free modified polysiloxane
Specific gravity @ 20°C	: ca. 0.93 g/cm ³
Flashpoint	: 100 °C
Appearance	: Opalescent liquid
Active ingredients	: >98%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-SC® 2239 improves levelling and surface smoothness, increases slip and mar-resistance and avoids the formation of Bénard cells (anti-floating effect).

It is especially recommended for the following applications:

- Acid-curable or polyurethane wood finishes
- Stoving enamels based on alkyd, acrylic or polyester resins
- Self-levelling epoxy flooring compounds
- UV-curable paper lacquers

It should be added during the final thinning. For ease of handling, dilute to 10% in aromatics or mineral spirits.

0.05-0.5% on total formulation weight

Composite

DELTA-SC® 2239 is an organically modified polysiloxane possessing excellent compatibility with a wide range of systems. It gives reduction of surface tension resulting in improved levelling and spread of the compound, with no migration of the additive. It gives good de-aeration properties during processing and application.

DELTA-SC® 2239 can be used in PVC plastisols and unsaturated polyesters (glass fiber reinforced), as well as solvent-free epoxy systems (e.g. flooring, conductor plates) and polyurethanes.

DELTA-SC® 2239 should be added to the resin prior to processing and addition of the other components, although addition to the final product is also possible.

0.05-0.2% on total formulation weight



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Safety and Handling:

DELTA-SC® 2239 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-SC® 2239 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.
