

Technical Data Sheet

Last revised: **01-2019**

DELTA-FC® 1720

Silicone-free anti-foam that supports the quick de-aeration of thermosetting resin systems so that foam and blister-free self levelling compounds and laminates can be processed. **DELTA-FC® 1720** demonstrates no negative influence on inter-coat adhesion when overcoated. Additionally, it acts as an air release and levelling additive. It is designed for use in **coatings, printing inks** and **composite**.

If used in conjunction with **DELTA-DC® 4044** or **DELTA-DC® 4066** in pigmented compounds, lower viscosity results can be achieved, thereby aiding the air release properties.

Specifications:

Composition	: Solution of defoaming substances, silicone-free
Solvent(s)	: Alkylbenzene/special boiling point spirit
Specific gravity @ 20°C	: ca. 0.83 g/cm ³
Flashpoint	: 26 °C
Appearance	: Colorless, clear to slightly hazy liquid

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-FC® 1720 can be used in pigmented and non-pigmented systems such as:

- Unsaturated polyesters
- Two-pack epoxies
- Epoxy floorings
- Acrylic/vinylacetate-combinations
- Oil-free polyesters

When combined with the silicone-based surface additive **DELTA-SC® 2239**, which shows anti-foam action, slip performance can be observed.

It should be incorporated by simple mixing. A homogeneous mix will increase the efficiency of **DELTAFC® 1720**.

0.1-1.0% on total formulation weight

Printing Inks

DELTA-FC® 1720 has been developed for solvent-based formulations and can be used in solvent based pigment bases and printing inks and over-print varnishes. It reduces the foam accumulation of foam in the ink pan and reservoir during the printing process.

DELTA-FC® 1720 is also suited for UV-curing formulations. It may be used in screen, gravure and flexographic printing inks.

DELTA-FC® 1720 can be added in the premix stage prior to dispersion. If added post manufacture or press-side, care should be taken to ensure uniform distribution.

0.1-1.0% on total formulation weight

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Composite

DELTA-FC® 1720 prevents the encapsulation of air during the production and application of duroplastic resin systems (i.e. unsaturated polyesters etc.)

DELTA-FC® 1720 is suitable for the following applications/processes:

- Gel coats
- Laminating
- Lay-up
- Spray-up

DELTA-FC® 1720 should be incorporated into the resin system prior to processing in order to prevent foam and blisters. If it is added at the end of the formulation, good dispersion must be ensured.

0.1-0.8% on total formulation weight

Safety and Handling:

DELTA-FC® 1720 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-FC® 1720 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 170 kg non-returnable metallic containers.
