

CLiQFLOW® 707

Rheological Additive

CLiQFLOW 707 is a hydrogenated castor oil based thixotropic additive for solvent-free and non- to low-polar solvent-based systems. It imparts a strongly shear-thinning flow behaviour with excellent sag resistance, good flow, and levelling. Anti-settling properties and workability are also improved with the organic thixotrope.

CLiQFLOW 707 is used in general industrial and heavy-duty non-aqueous paints, as well as in adhesives, sealants, and unsaturated polyester putties, to improve the application performance of either system. If required, **CLiQFLOW 707** provides a false body to the material to improve storage stability or workability. The hydrogenated castor oil technology is also used in powder coatings to improve flow, levelling, and degassing during application.

CLiQFLOW 707 is a finely micronized powder that requires dwell times, shear forces and a well-defined temperature for activation. The required activation temperature depends on the polarity of the system.

Typical values:

Appearance:	micronized powder
Particle size d50:	5-9 µm
Particle size top-cut:	< 44 µm
Melting range:	80 – 86 °C
Density (20°C):	1.0 g/cm ³
INCI name:	trihydroxystearin

Level of Use / Incorporation:

CLiQFLOW 707 is typically used at a loading between 0.2-2.0%.

For optimum activation, the material is added early to the manufacturing process to allow sufficient swelling. The material must then be processed within a well-defined temperature window; typically, between 35-50°C for aliphatic hydrocarbon-based systems and between 50-65°C for solvent-free systems. In powder coatings, **CLiQFLOW 707** is incorporated sufficiently during the extrusion process.

The optimum activation temperature and loading level should be determined for each system using a ladder study.

CLiQFLOW 707 should be stored in a cool dry place. The minimum shelf life is 48 months when stored in unopened packages.

For information on health and safety information, please consult the Material Safety Data Sheet.

CLiQ SwissTech AG
Bahnhofstrasse 3
7320 Sargans
Switzerland

CLiQ SwissTech (Deutschland) GmbH
Bertram-Blank-Strasse 8A
51427 Bergisch Gladbach
Germany

CLiQ SwissTech (Netherlands) B.V.
Blauwborgje 31
9747AC Groningen
The Netherlands

sample@cliqswiss.com • info@cliqswiss.com

www.cliqswiss.com

This information is based to best of our knowledge and on test results obtained in our laboratory. It is given in good faith and should only regard as recommendations. No warranty is given, and it is advised to all users to evaluate the products carefully for their intended use. Please also consider all further information, labels, and especially the safety data sheet! For further questions, technical service, and samples, please feel free to contact us.