

CLiQFLOW MMC is an organically modified phyllosilicate based rheological additive for non-aqueous conventional to solvent-free systems. The additive consists of an open phyllosilicate structure which does not necessarily require high shear processing or solvents for complete delamination and activation.

CLiQFLOW MMC provides a controlled thixotropic flow behaviour to non-aqueous formulations and improves storage stability, prevents pigment settling and excellent sag resistance. It imparts rheology to a wide range of system polarities and is particularly recommended for solvent-free epoxy and polyurethane systems, thermosets based on unsaturated polyester resins as well as PVC-plastisols.

Typical values:

Appearance:	powder
Colour:	cream-beige
Moisture:	less 6%
Bulk density:	approx. 130 kg/m ³

Level of Use / Incorporation:

CLiQFLOW MMC can be incorporated directly into the mill-base or grinding process. Pre-gel preparation is recommended for systems where insufficient shear forces are available during processing, e.g. unsaturated polyester based thermosets. Pre-gels with concentration of approx. 15% show a rather low viscosity and can still be pumped easily. A polar activator, e.g. low molecular weight alcohols are not required but may improve efficiency of the additive.

The required loading level of **CLiQFLOW MMC** depends strongly on the nature of the system and performance requirements and should be evaluated in a loading ladder study. A starting level of 0.5 – 1.0% is recommended.

CLiQFLOW MMC should be stored in a cool dry place.

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
Hauptstrasse 97
51465 Bergisch Gladbach
Germany

CLiQ SwissTech (Netherlands) B.V.
Zernikepark 6-8
9747AN 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 consider also all further information, labels, and especially the safety data sheet! For further questions, technical service and samples, please feel free to contact us.

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