

CLiQFLOW® 680

Rheological Additive

CLiQFLOW 680 is a VOC-, APE and tin-free associative thickener for aqueous clear and pigmented systems. The polyurethane thickener improves the viscosity at high shear rates (ICI builder) and provides a nearly Newtonian flow behaviour.

CLiQFLOW 680 is recommended as co-thickener in modern, environmentally friendly high-value decorative latex paints to reduce spattering of the paint during roll application and to improve levelling behaviour, gloss development, hiding power, and brush drag.

CLiQFLOW 680 is recommended as single thickener in waterborne alkyd emulsions to achieve an “alkyd-like” flow behaviour in gloss or high gloss systems.

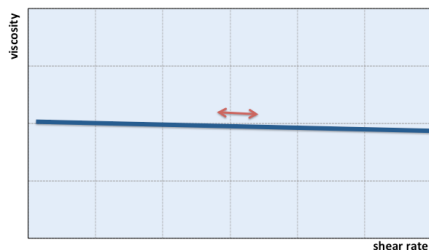
Typical values:

Appearance:	white opaque liquid
Active Content:	ca. 20 %
Brookfield Viscosity:	< 4000 mPas
Density:	ca. 1.05 g/cm ³

Level of Use / Incorporation:

CLiQFLOW 680 can be added at any production stage. Pre-dilution of the thickener is not required.

The optimum loading level should be determined for each system using a loading ladder study. A level between 0.3 – 2.0% of the total is typically required to achieve the required properties. A higher loading level might be required in alkyd emulsions to achieve the required high shear viscosity.



CLiQFLOW 680 performance is not impacted by freezing, although, for ease of handling, it is recommended to store in a cool dry place above 5°C. The minimum shelf life is 24 months when stored in unopened packages.

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

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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.