

CLiQFLOW® 690

Rheological Additive

CLiQFLOW 690 is a highly efficient VOC-, APE-, MIT- and organotin-free associative thickener for aqueous clear and pigmented systems. The polyurethane thickener is based on a unique polymeric structure that provides a “Newtonian” flow behaviour with excellent high shear (ICI) viscosity already at low addition levels.

CLiQFLOW 690 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 690 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 %

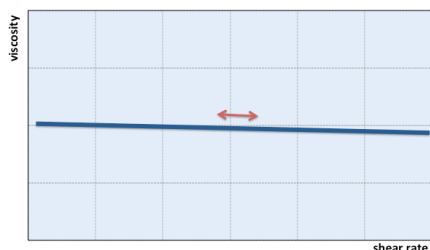
Brookfield Viscosity: < 4500 mPas

Density: ca. 1.05 g/cm³

Level of Use / Incorporation:

CLiQFLOW 690 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 0.1 – 2.0% on 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 690 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.