

## CLiQFLOW® 681

### Rheological Additive

**CLiQFLOW 681** is a VOC-, APE and tin-free associative thickener for aqueous systems. The polyurethane thickener improves the viscosity at high shear rates providing an almost Newtonian flow behaviour in pigmented as well as clear systems.

**CLiQFLOW 681** is recommended as single- or co-thickener in modern, environmentally friendly high value paints or coatings. The rheological additive improves levelling behaviour, gloss development, hiding power, brush drag and reduces spattering during roller application.

**CLiQFLOW 681** associates with binders as well as pigments in an aqueous environment. The association with pigments and extenders makes the product also suitable to produce stable pigment concentrates.

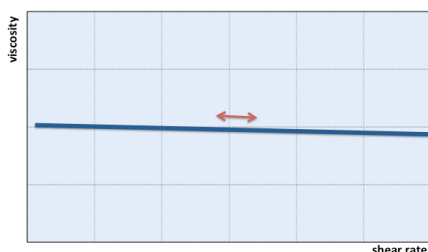
#### Typical values:

Appearance:	white opaque liquid
Active Content	ca. 40 %
pH:	Ca. 7
Density:	ca. 1.05 g/cm <sup>3</sup>

#### Level of Use / Incorporation:

**CLiQFLOW 681** can be added at any production stage. Pre-dilution of the thickener is not required but might be beneficial in highly reactive coating systems.

The optimum loading level should be determined for each system using a loading ladder study. A level between 0.3 – 2.0 % on total is typically required to achieve the required properties.



**CLiQFLOW 681** should be stored in a cool dry place.

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 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.