

CLiQFLOW 661 VR is a VOC compliant tin-free polyurethane thickener for aqueous clear and pigmented systems. The associative thickener increases both low and high shear viscosity and provides a shear thinning flow behaviour to aqueous systems.

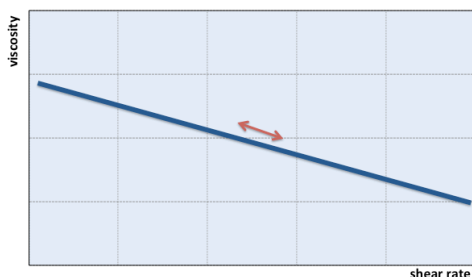
CLiQFLOW 661 VR improves anti-settling behaviour, sag resistance and brush drag of aqueous systems; it will also improve the levelling properties resulting in better gloss and a more uniform paint film after application.

CLiQFLOW 661 VR associates with pigments as well as with binders in an aqueous environment. The association with pigments and extenders makes the product particularly suitable for pigment concentrates and less dependant on other coatings ingredients.

Typical values:

Appearance:	white opaque liquid
Active content:	ca. 40 %
Brookfield viscosity:	ca. 20000 mPa.s
Density (20°C):	1.09 g/cm ³
VOC (2004/42/CE):	< 1g/l

Typical flow behaviour:



Level of Use / Incorporation:

CLiQFLOW 661 VR can be added to the aqueous system at any production stage. In sensitive formulation it may be recommended to add the product into the mill-base.

The optimum loading level should be determined for each system using a loading ladder study. In pigment concentrates a level between 0.2 – 1.0 % on total is typically required to achieve optimum stability; for paint formulation a loading between 0.2-2.0 % is recommended.

CLiQFLOW 661 VR shows excellent compatibility with all kind of aqueous binders.

CLiQFLOW 661 VR should be stored in a cool dry place at temperatures above 5°C.

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.

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