

# CLiQ



## **CLiQ Performance Additives**

### **Adhesives & Sealants**

**Product Overview**



## CLIQSPERSE® wetting and dispersing agents for aqueous systems

CLIQSPERSE®		Product Chemistry	Active Content	Application / Feature
Dispersing & Wetting agents	126	polyglycoether	100 % VOC-free*	wetting agent for inorganic and organic pigments; improves system stability
	130	polymeric carboxylate	20 % VOC-free*	dispersing agent for all pigments to stabilise and improve colour development
	172	sodium polycarboxylate	45 % VOC-free*	dispersing agent for inorganic pigments and fillers, odourless
	175	ammonium polycarboxylate	30 % VOC-free*	dispersing agent for inorganic pigments and fillers

## CLIQFLOW® rheological additives for aqueous systems

CLIQFLOW®		Product Chemistry	Active Content	Application / Feature
Rheological Additives	600	highly beneficiated and activated smectite clay	100 % powder	builds structure at rest improving storage stability and hold-up; improves workability
	602	organically modified smectite clay	100 % powder	builds structure at rest improving storage stability and hold-up
	645 VR	non-ionic polyurethane associative thickener	25 % liquid VOC-free*	provides high low shear viscosity and strongly shear thinning flow behaviour
	661 VR	non-ionic polyurethane associative thickener	40% liquid VOC-free*	provides shear thinning flow; associates strongly with pigments/extenders
	675 VR	non-ionic polyurethane associative thickener	25 % liquid VOC-free*	provides balanced low-, mid and high shear viscosity; moderately shear thinning
	680	non-ionic polyurethane associative thickener	20 % liquid VOC-free*	Newtonian thickener with limited influence on low and mid shear viscosity
	690	non-ionic polyurethane associative thickener	20 % liquid VOC-free*	highly efficient Newtonian thickener
	681	non-ionic polyurethane associative thickener	40 % liquid VOC-free*	mid- and high shear thickener; excellent with pigments/extender

## CLIQSMART® defoamer for aqueous systems

CLIQSMART®		Product Chemistry	Active Content	Application / Feature
Defoamer	111	polymeric, mineral oil-free and silicone-free	100 % liquid VOC-free*	for environmentally friendly systems, excellent defoaming efficiency
	1015	mineral oil emulsion with silica and surfactants	60 % liquid	economical mineral-oil based defoamer
	1031	polyglycol	100 % liquid VOC-free*	excellent compatibility combined with good efficiency
	1052	polysiloxane emulsion	11 % liquid	excellent efficiency, good compatibility also for low pigmented system

\*) < 1 g/l VOC according to 2004/42/EC

**CLIQSPERSE® wetting and dispersing agents for non-aqueous systems**

CLIQSPERSE®		Product Chemistry	Active Content	Application / Feature
Dispersing & Wetting agents	PA	acidic co-polymer	100 %	strongly reduces viscosity with inorganic pigments and fillers, solvent-free version
	PB	solution of acidic co-polymer in MPA, aromatic hydrocarbon	55 %	strongly reduces viscosity with inorganic pigments and fillers; easy to incorporate
	PM	salt of polycarbonic acid with polyamine in butylglycol	80 %	reduces viscosity with inorganic pigments and fillers, de-flocculant mechanism
	CA-100	salt of polycarbonic acid with polyamine	100 %	reduces viscosity with inorganic pigments and fillers, solvent-free version
	131	acidic polymer	100 %	multi-purpose dispersing agent

**CLIQFLOW® rheological additives for non-aqueous systems**

CLIQFLOW®		Product Chemistry	Active Content	Application / Feature
Rheological Additives	LED	easy dispersible; organically modified smectite clay	100 % powder	provides shear thinning flow; requires shear for activation
	707	hydrogenated castor oil	100 % powder	provides shear thinning flow; requires temperature control for activation
	709	amide modified hydrogenated castor oil	100 % powder	provides shear thinning flow; requires temperature control for activation

**CLIQSMART® defoamer for non-aqueous systems**

CLIQSMART®		Product Chemistry	Active Content	Application / Feature
Defoamer	PD-20	polysiloxane modified polymeric defoamer in hydrocarbons	100 %	broad system compatibility
	EP AH-1	polysiloxane hydrocarbons	100 %	highly efficient silicone defaomer
	AP	polymeric in hydrocarbons	100 %	highly efficient silicone-free defoamer



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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 recommendation. 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.