

# CLiQ



## CLiQSPERSE® CLiQSMART®

**Additives  
for Thermosets**

**Product Overview  
2018**

# Additives for Thermosets

## CLiQSPERSE® wetting and dispersing agents

CLiQSPERSE	Product Chemistry	Active Content	Solvents
PA	acidic co-polymer	100 %	none
PB	acidic co-polymer	55 %	MPA/aromatic hydrocarbon
EP PD-2	modified acidic co-polymer	100 %	none
PF	high molecular weight dispersant	45 %	xylene / MPA
PH	high molecular weight co-polymer salt	100 %	none
PM	salt of polycarbonic acid with polyamide	80 %	butylglycol
CA-100	salt of polycarbonic acid with polyamide	100 %	none

## CLiQSMART® defoamer and special additives

CLiQSMART	Product Chemistry	Active Content	Solvents
PD-10	silicone-free polymeric defoamer	100 %	aromatic hydrocarbon
PD-20	silicone modified polymeric defoamer	100 %	aromatic hydrocarbon
PD-30	silicone-free polymeric defoamer	100 %	aromatic hydrocarbon
AP	silicone-free polymeric defoamer	100 %	hydrocarbon
AF	polysiloxane	100 %	DIBK
LP 1608-1	polymer	100 %	none
EP PS-2	polymeric components / wax	100 %	none

Unsaturated Polyester			Epoxy	Poly-urethane	Acrylate	Features	CLIQSPERSE
closed mould	ambient cured	gel coats					
x			o			strongly reduces viscosity with fillers and aluminium trihydrate; improves fibre wetting	PA
x			x			strongly reduces viscosity with fillers and aluminium trihydrate; improves fibre wetting	PB
x			o			economic additive to reduce viscosity in filled systems; improves fibre wetting	EP PD-2
x	x	x				improves colour stability and homogeneity; improves fibre wetting	PF
o	o	x	x	x	o	for colour stability and homogeneity; excellent for carbon black, improves fibre wetting	PH
o	x	o	x	x	x	strongly reduces viscosity with fillers and aluminium trihydrate, improves fibre wetting	PM
o	x	o	x	x	x	strongly reduces viscosity with fillers and aluminium trihydrate, improves fibre wetting	CA-100

Unsaturated Polyester			Epoxy	Poly-urethane	Acrylate	Features	CLIQSMART
closed mould	ambient cured	gel coats					
	x	o	o	x		excellent air release in ambient cured and transparent systems; FDA compliant	PD-10
			x			highly efficient with broad system compatibility	PD-20
o	x	x			x	excellent air release properties for all application methods; FDA compliant	PD-30
o	x	x		x	x	excellent air release properties in high viscous systems	AP
			x	x		strong defoaming properties in casting systems	AF
x						improves processing and mould release properties in LS-SMC, SMC, BMC	LP 1608-1
	x	o				reduces styrene emission ambient cured polyester system	EP PS-2



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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.