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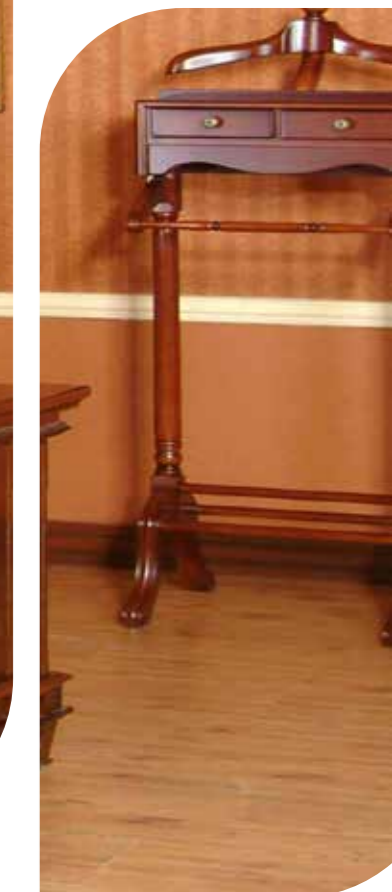


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## Performance Additives for Wood Coating



## UNIQ® FOAM Defoamers

Product	Silicone	Polymer / Non-silicone	Main solvent	Addition amount (%)	Water based	Solvent based	Characteristic	Emulsion alkyd	Acrylic / Acrylic emulsion	PUD	NC systems	2-pack polyurethane	UPE	Air drying alkyds	UV
UNIQ®FOAM 120 S		•	SPB 140-165	0.1-1.0		•	strong defoamer especially during production and application to avoid foam formation				••	••			
UNIQ®FOAM 131 S		•	PMA	0.1-1.0		•	strong defoamer especially in primer				••	••	••		
UNIQ®FOAM 132 S		•	PMA	0.1-1.0		•	Defoamer for clear coatings and pigmented systems, especially against micro-foam, pinholing and popping.				•••	••	•••		
UNIQ®FOAM 158S		•	—	0.1-1.0		•	Defoamer for clear coatings and pigmented systems, especially against macro-foam, espically suited in 2K PU and UV				••	•••			•••
UNIQ®FOAM P-571		•	—	0.1-1.0		•	Defoamer for high solid paint systems including for UPE high clarity, good macro- and micro-defoaming					••	•••		••
UNIQ®FOAM 182 W		•	—	0.1-1.0	•		Silicone free defoamer fto be used in conjunction with other defoamers. Main function to avoid pinholing and popping	••	••	••					
UNIQ®FOAM LP2507		•	DIBK	0.1-1.0	•		Non silicone defoamer for grinding and spraying,brushing, good working for against micro and macro-foam					•••		••	••
UNIQ®FOAM LP2599		•	—	0.1-1.0	•		Fatty acid based non silicone defoamer for clear and pigmented coatings, good working against micro and macro-foam	••	•••	••					
UNIQ®FOAM 246 S	•		DIBK	0.1-0.7		•	Best defoamer for spraying,brushing and curtain coating applications, good working for against micro and macro-foam				••	•••		••	••
UNIQ®FOAM 280 W	•		—	0.1-1.0	•		Excellent compatibility, suitable in clearcoat	••	••	•••					
UNIQ®FOAM 295 W	•		—	0.1-1.0	•	•	Very high compatibility and excellent defoaming performances	••	•••	••					•
UNIQ®FOAM LP2500	•		—	0.2-1.0	•		For grinding and suitable in clearcoat	••	••	•••		••			••
UNIQ®FOAM LP2560	•		—	0.1-1.5	•		Very high compatibility and excellent defoaming performances, suited for pigmented and clear systems	••	•••	••		•••			••

## UNIQ® LIGHT Light Stabilizers

Product	Principal Component	Active (%)	Water based	Solvent based	Characteristic	Addition amount (%)	Emulsion alkyd	Acrylic / Acrylic emulsion	PUD	2-pack polyurethane	Air drying alkyds	UV
UNIQ®LIGHT 923	HALS	100		•	Acid system HALS	0.5-2.0					•	•
UNIQ®LIGHT 992	HALS	100	◦	•	Cost effective HALS	0.5-2.0	•	•	•	•		
UNIQ®LIGHT 930	Benzotriazole	100	◦	•	General purpose use Light Stabilizer	1.0-3.0	•	•	•	•		
UNIQ®LIGHT 951	Blend	100		•	General purpose use Light Stabilizer + HALS	1.0-3.0				•		
UNIQ®LIGHT 930	Benzotriazole	100		•	General purpose use Light Stabilizer	1.0-3.0				•		

## UNIQ® FLOW Wetting Agents And Surface Modifiers

Product	Silicone	Acrylic	Fluor modified polymer	Active (%)	Main solvent	Surface tension reduction properties	Water based	Solvent based	Characteristic	Addition amount (%)	Wettab-ility	Anti-crater	Benard cell	Improve leveling	Improve slip	Scratch prevention	Defoaming properties
UNIQ®FLOW 350 W			•	100	—	••	•	•	Excellent wetting, defoaming, anti-crater and fast leveling	0.1-0.5	••	••		••			••
UNIQ®FLOW 352 W		•		100	—	•••			Excellent wetting, defoaming, anti-crater and leveling performances	0.1-0.5	••	•••		••			••
UNIQ®FLOW 361 S			•	100	—	•••		•	Very good wetting, vertical leveling and anti-crater performances	0.01-0.5	•••	••		•••			
UNIQ®FLOW 376 S			•	70	PMA	•		•	faster leveling and excellent compatibility, suitable in clear coat	0.5-1.0	•			••			
UNIQ®FLOW 384 S		•		100	—	0		•	Silicone free leveling agent with strong microfoam destroying properties.	0.05-0.5				•			•••
UNIQ®FLOW 386 S		•		52	PMA	0		•	all-round fast leveling agent also suited for clear coat	0.5-1.5				•••			
UNIQ®FLOW 415 S	•			15	Butyl acetate	••		•	Silicone leveling agent with slip properties	0.5-1.0	••	••	•••	••	•••	••	
UNIQ®FLOW 488 U	•			100	—	•••	•	•	Excelent wetting agent with very low foam stabilization	0.1-1.0	•••	•••		•			
UNIQ®FLOW 483 U	•			100	—	•••	•		Double function additive for wetting and defoaming	0.1-1.0	•••	•••		••			••
UNIQ®FLOW 493 U	•			100	—	•••	•	•	Silicone leveling agent with very good slip	0.05-0.3	•••	••	•••	•••	•••	•••	
UNIQ®FLOW 495 U	•			100	—	•••	•	•	Silicone leveling agent with excellent handfeeling	0.05-0.3	•••	••	••	•••	•••	•••	•

## UNIQ® SPERSE Dispersing Agents

Product	Principal Component	Active (%)	Main solvent	Amine value mgKOH/g	Acid value mgKOH/g	Water based	Solvent based	Characteristic	Emulsion alkyd	Acrylic / Acrylic emulsion	PUD	NC systems	2-pack polyurethane	UPE	Air drying alkyds	UV
UNIQ®SPERSE 510 S	PU Dispersant	52	Butyl Acetate PMA / Hydrocarbon C9	6	14		•	pecially suited for TiO2, matting agents, fillers for primers and topcoats. Avoid sedimentation				••	••	•	•••	•
UNIQ®SPERSE 560 S	PU Dispersant	30	Butyl Acetate PMA / xylene	8	—		•	High performance dispersing agent for organic pigment					••		••	
UNIQ®SPERSE 590U	block structured dispersant	100	-	19	27	•	•	Excellent dispersing agent for black and organic pigment, good compatibility	•••	•••	•••	••	••		•	••
UNIQ®SPERSE 630 U	Structured Polymer	100	—	40		•	•	High performance dispersant, suited for resin free, recommended for high performance organic pigments, especially where high transparency is required,	•••	•••	•••					•••
UNIQ®SPERSE 650 U	Acrylic-polyester dispersant	100	—		16	•	•	Universal dispersing agent for TiO2, matting agents, avoids sedimentation	••	••	••	••	••			••
UNIQ®SPERSE 670 U	Structured polymer	100	—	70	42	•	•	Excellent dispersing agent for matting agents and transparent iron oxides. Also suited for many organic pigments	••	••	••	••	••			•••
UNIQ®SPERSE 680 U	Structured Polymer	100	—	65	9	•	•	Universal high performance dispersant, suited for resin free, recommended for the dispersion of carbon black and high performance organic pigments	•••	•••	•••	•••	•••			••
UNIQ®SPERSE 686 S	Polymeric dispersant	100	—	57	11	•	•	High performance universal dispersant suited for all pigments. Gives excellent jetness and color development for organic pigments. CAB compatible.				•••	•••			•••
UNIQ®SPERSE 690 W	Block dispersant	40	Water	15	15	•		All-round dispersant agent for general purposefor water based systems. High transparency and performances	•••	•••	•••					
UNIQ®SPERSE 716 S	Phosphoric dispersant	50	—	—	80		•	Dispersing agent for TiO2 and fillers. Gives very low viscosity				••	••		••	•
UNIQ®SPERSE 730 U	Modified acrylic polymer	100	—	—	60	•	•	Excellent wetting and dispersing agents for TiO2 and fillers	•••	•••	•••	••	•••	••	•	•••
UNIQ®SPERSE 770 U	Unsaturated Carboxylic acid	100	—	85	—	◦	•	Excellent cost effective wetting agent for all kind of pigments				••	••		•••	