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Performance Additives for Automotive Coating and Car Refinish

UNIQ® FOAM Defoamers

Product	Silicone	Polymer / Non-silicone	Main solvent	Water based	Solvent based	Characteristic	Addition level (%)	Putty	Primer / surfacer	Top coat / one coat	Base coat	Pigment concentrates	Clear coat
UNIQ®FOAM 131 S		•	PMA		•	Defoamer for clear coatings and pigmented systems, especially against micro-foam and popping. Excellent clarity and transparency	0.1-1.0		••	•••	•••		••
UNIQ®FOAM 132 S		•	PMA		•	Defoamer for clear coatings and pigmented systems, especially against micro-foam and popping. Excellent clarity and transparency	0.1-1.0			••	••		•••
UNIQ®FOAM 155 S		•	-		•	Defoamer for primer and high solid systems, strong micro foam destroying properties, besides defoaming also shows leveling	0.1-1.0		•••	••	••		
UNIQ®FOAM 182 W		•	Butyl glycol	•		Especially for OEM/refinish basecoats to improve less sensitivity for the film thickness, prevent pinholing and popping	0.3-3.0		•	••	•••		••
UNIQ®FOAM LP2507		•	-	•		Strong defoamer against macro-foam, well suited for 2C PU and pigment concentrates	0.1-1.0		•••	••	•••	••	••
UNIQ®FOAM 246 S	•		DIBK		•	Best defoamer for spraying, roller, brushing and curtain coating applications, good working for against micro and macro-foam	0.1-0.7		•••	•••			•
UNIQ®FOAM 280 W	•		—	•	•	Very high compatibility and excellent defoaming performances	0.1-1.5			•••	••	•	••
UNIQ®FOAM 295 W	•		—	•	•	Especially suited for primers against micro-foam	0.1-1.0		•••	•••	••	••	
UNIQ®FOAM LP2500	•		-	•		Best defoamer pigment paste preparation, also well suited for topcoats for spraying applications with good gloss retention	0.1-1.0		•••	•••	•••	•••	••
UNIQ®FOAM LP2560	•		-	•		Best defoamer with good compatibility for top coats spraying, roller, brushing	0.1-1.0		•••	•••	•••	••	•••
UNIQ®FOAM P-571		•	-		•	Defoamer for UPE car putty and gelcoats	0.1-1.0	•••	••				

UNIQ® SPERSE Dispersing Agents

Product	Principal component	Active (%)	Main solvent	Amine value mgKOH/g	Acid value mgKOH/g	Water based	Solvent based	Characteristic	Putty	Primer/surfacer	Top coat / one coat	Base coat	Pigment concentrates
UNIQ®SPERSE 580 U	Structured Polymer	100	—	52		•	•	High performance dispersant, suited for resin free, recommended for the dispersion of carbon black giving high jetness and high performance organic pigments			•••	••	•••
UNIQ®SPERSE 605 S	Polyester dispersant	40	Butyl Acetate	19	8		•	Excellent dispersing agent for high jetness, high transparent pigment, automotive/refinish and coil			•••	•••	•••
UNIQ®SPERSE 615 S	Polyester dispersant	40	Butyl Acetate	19	8		•	Excellent dispersing agent for high jetness, high transparent pigment, automotive/refinish and coil			•••	•••	•••
UNIQ®SPERSE 618 S	Polyester dispersant	40	Butyl Acetate	23			•	High performance dispersant for industrial- and refinish coatings suited for all pigments with strong viscosity reduction, compatible in CAB gives high jetness			•••	•••	•••
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 670 U	Structured Polymer	100	—	70	42	•	•	High performance dispersant, suited for resin free, especially for transparent iron oxides, matting agents and organic pigments giving low viscosity			•••	••	•••
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 purpose for water based systems. High transparency and performances			•••	•••	•••
UNIQ®SPERSE 780 U	Modified Acrylic Polymer	100	—	—	60	•	•	Excellent wetting and dispersing agents for TiO2 and fillers for primers and high performance applications	•	•••	•••	•••	••
UNIQ®SPERSE 765 S	Unsaturated Carboxylic acid	52	Alkyl benzene DIBK	—	120		•	Anti-flooding and anti-floating agent. Can be post added, gives metallic orientation		••			••
UNIQ®SPERSE P-141	Modified Acrylic Polymer	100	—	—	68	•	•	Excellent wetting and dispersing agents for TiO2 and inorganic fillers, especially suited for UPE	•••				

UNIQ® FLOW Wetting Agents And Surface Modifiers

Product	Silicone	Acrylic	Fluor modified polymer	Active (%)	Main solvent	Surface tension reduction	Water based	Solvent based	Addition amount (%)	Characteristic	Wettability	anti-crater	Improve leveling	Improve slip	Scratch prevention	Defoaming properties
UNIQ®FLOW 350 W			•	100	—	••	•	•	0.1-0.5	Excellent wetting, defoaming, anti-crater and leveling performances	••	••	•••			••
UNIQ®FLOW 352 W		•		100	—	•••	•		0.1-0.5	Excellent wetting, defoaming, anti-crater and leveling performances	•••	••	•••			••
UNIQ®FLOW 361 S			•	100	—	•••		•	0.01-0.5	Improved version of 360S with very high compatibility	•••	•••	•••			
UNIQ®FLOW 376 S			•	70	PMA	•		•	0.5-1.0	Improved version of 375S, faster leveling and excellent compatibility	•	•	•••			
UNIQ®FLOW 384S		•		100	—	•		•	0.5-1.0	Leveling agent with strong micro foam destroying properties			••			•••
UNIQ®FLOW 386 S		•		52	PMA	0		•	0.5-1.5	All-round fast leveling agent			•••			
UNIQ®FLOW 392 S		•		52	PMA	0		•	0.2-1.0	Anti-popping and anti-pinholing agent especially for PU systems			••			••
UNIQ®FLOW 415 S	•			15	Butyl acetate	••		•	0.5-1.0	Silicone leveling agent with slip properties	••	•	•••	••	•••	
UNIQ®FLOW 488 U	•			100	—	•••	•	•	0.1-1.0	Excellent wetting agent with very low foam stabilization	•••	•••	••			
UNIQ®FLOW 493 U	•			100	—	•••	•	•	0.05-0.3	Silicone leveling agent with very good slip	••	••	•••	•••	•••	
UNIQ®FLOW 495 U	•			100	—	•••	•	•	0.05-0.3	Silicone leveling agent with excellent handfeeling	••	••	•••	•••	•••	•
UNIQ®FLOW 498 U	•			100	—	•••	•	•	0.05-0.3	Silicone leveling agent with excellent handfeeling	••	••	•••	•••	•••	•

UNIQ® VIS Rheology Control Agents And Conductivity Agents

Product	Principal Component	Active ingredient (%)	Main solvent	Water based	Solvent based	Characteristic	St addition amount (%)	Top coat / one coat	Base coat	pigment concentrate	Clear coat
UNIQ®VIS 810 S	Urea thickener	50	NMP		•	Urea thickener for low polar to medium polar area	0.1 - 3.0	•	•	•	
UNIQ®VIS 820 W	Urea thickener	90	NMP	•		Urea thickener for medium polar to high polar area	0.1-3.0	•	•	•	
UNIQ®VIS LP8048	Urea thickener	50	NBP	•		NMP free version of 820W	0.1 - 3.0	•	•	•	
UNIQ®VIS LP8050	Urea thickener	50	NBP		•	NMP free version of 810S	0.1 - 3.0	•	•	•	
UNIQ®VIS 886 S	Quaternary ammonium compound	60	Iso-butanol		•	Conductivity agent	0.1-2.0	•	•		•

UNIQ® LIGHT Light Stabilizers

Product	Principal Component	Active ingredients(%)	Water based	Solvent based	Characteristic	Addition amount (%)	Top coat / one coat	Clear coat
UNIQ®LIGHT 992	HALS	100	o	•	Cost effective HALS	0.5-2.0	•	•
UNIQ®LIGHT 930	Benzotriazole	100	o	•	General purpose use Light Stabilizer	1.0-3.0	•	•
UNIQ®LIGHT 940	Triazine	100		•	High performance UV absorber suited for OEM and refinish	1.0-3.0		•
UNIQ®LIGHT 951	Blend	100		•	Blend light stabilizer	1.0-3.0	•	•
UNIQ®LIGHT 960	Blend	100		•	Blend light stabilizer	1.0-3.0	•	•
UNIQ®LIGHT 984	Benzotriazole	100		•	General purpose use Light Stabilizer	1.0-3.0	•	•