



PATCHAM

ADDITIVES FOR COATINGS AND INKS

A sustainable approach to coating technology



**Dispersing
Additives**

**Wetting
Additives**

Defoamers

**Surface
Modification
Additives**

**Rheology
Modifiers**

A Sustainable Approach to Coating Technology

Patcham FZC is a global manufacturer of specialty additives headquartered in the United Arab Emirates. Since its inception, Patcham has steadily grown to become a leading supplier of metal carboxylates and specialty additives for Paint & Coatings, Inks, PVC, Composites, Polyurethane and Oil field. We also manufacture a range of tin based and tin free catalysts for various end use industries.

The company's Pat-Add range of coating additives are built on providing attributes meeting actual demands on sustainability, technology, performance and competitiveness.

Patcham has a strong manufacturing and R&D infrastructure that enables rapid transition from concept to products. The company has strategically located technical service laboratories, offices, and representatives around the world to provide efficient customer service. In addition, a well-developed robust supply chain network enables us to deliver our products and services to customers around the globe with minimal lead-time.

Wetting and Dispersing Additives

Waterborne Systems

Product Name	Composition	Solvents	Active content (%)	Acid value (mg KOH/g)	Amine value (mg KOH/g)	Recommended for				Features & Benefits	
						Aqueous Systems		Decorative	Industrial		Colorant
				(Approx)		Emulsions	Amine Neutr.				
Pat-Add DA 103	Sodium salt of polyelectrolyte	Water	45%			■	□	■			Standard dispersant for inorganic pigments and fillers for emulsion formulations.
Pat-Add DA 105A*	Ammonium salt polyelectrolyte	Water	43%			■		■			Dispersing agent for inorganic pigments and extenders.
Pat-Add DA 107A*	Ammonium salt polyelectrolyte	Water	21%			■		■			Dispersing agent for inorganic pigments and extenders.
Pat-Add DA 108	Sodium salt copolymer	Water	25%			■	■	■	■		Hydrophobic copolymer dispersant for improving water resistance. For slurries containing basic fillers and pigments.
Pat-Add DA 202	APEO-free non-ionic wetting agent	Water	72%			■	■	■			APEO-free non-ionic pigment wetting agent. For all waterborne applications.
Pat-Add DA 203	APEO-free non-ionic wetting agent		100%			■	■	■			APEO-free polymeric surface active agent for WB in-plant tinting colorants.
Pat-Add DA 205*	APEO-free non-ionic wetting agent		100%			■	■	■	■	■	APEO-free polymeric surface active agent, stronger hydrophobicity than Pat-Add DA 203. Strong stabilization of dispersed pigments and optimizes color development .
Pat-Add DA 209	APEO-free non-ionic wetting agent	Water	90%			■	■	■	■	■	APEO-free, for universal usage in dispersion paints and aqueous colorants.
Pat-Add DA 213*	Non-ionic wetting agent	Water	90%			■	■	■	■	■	Standard wetting agent for emulsion paints.
Pat-Add DA 302	APEO-free non-ionic wetting agent	Water	35%			■	■	■		■	Economical wetting agent replacing APEO based surfactants. For good color acceptance in emulsion paints.
Pat-Add DA 401	Blockcopolymer	Water	28%			■	■	■	■	■	Highly effective dispersant for inorganic and moderately polar pigments, including carbon blacks, in aqueous systems.
Pat-Add DA 420	Blockcopolymer	Water/Butyl Cellosolve	50%			■	■		■	■	For electrostatic stabilization of inorganic pigments for aqueous industrial systems.
Pat-Add DA 450	Branched polyacrylic copolymer	Water	40%			■	■	■	■	■	Wetting and dispersing additive for glycol free aqueous pigment dispersions.
Pat-Add DA 475	Polymeric with polyfunctional anchoring moieties	Water	40%			■	■	■	■	■	Dispersing agent for waterborne industrial coatings, pigment dispersions and printing inks.
Pat-Add DA 501	Polymeric uncharged	Water	80%			□	■		■	■	Wetting and dispersing agent for WB organic RMPC and RFPC. For Universal colorants used in conjunction with Pat-Add DA 801 or Pat-Add DA 861.
Pat-Add DA 603	HMV** Polymeric	Water	54%			■	■	■	■	■	APEO-free polymeric wetting and dispersing agent for all pigment dispersions. Used in a wide range of applications, architectural, textile and industrial paints.
Pat-Add DA 603LV	HMV** Polymeric	Water	54%			■	■	■	■	■	Low VOC and APEO-free polymeric wetting and dispersing agent for all pigment dispersions. Used in a wide range of applications, architectural, textile and industrial paints.
Pat-Add DA 801	Polymeric electroneutral		100%	86	40	□	■	■	■	■	Polymeric dispersant for Industrial Alkyd systems. Used with Pat-Add DA 501 for Universal Colorants.
Pat-Add DA 817	Polymeric slightly cationic		100%	13	21	□	■	■	■	■	Wetting and dispersing agent for SB and WB applications. Most suitable in waterborne systems with high filler loading, functional pigments, and inorganic pigments with high suspension property.
Pat-Add DA 825	Polymeric with unsaturated groups		100%	32	15	□	■	■	■	■	Solvent and VOC-free dispersant for universal colorants.
Pat-Add DA 861	Polymeric electroneutral		100%	97	40	□	■	■	■	■	Solvent and VOC-free dispersant for universal colorants along with Pat-Add DA 501. Suitable for all pigments, especially Carbon Blacks.

■ Recommended □ Optional

* Check for local supply

** High Molar Volume, Patcham's unique technology

The data in the product selector table is a first recommendation. Suitability of a product should always be checked in the actual paint, coating, or inks formulation.

Wetting and Dispersing Additives

Solventborne and Solventfree Systems

Product Name	Composition	Solvents	Active content (%)	Acid value (mg KOH/g)	Amine value (mg KOH/g)	Recommended for						Features & Benefits	
						Solventborne Systems			Decorative	Industrial	Colorant		Solventfree Systems
						(Approx)	Non-Polar	Medium Polar					
Pat-Add DA 701	Amphoteric polyester dispersant	White Spirit	72%			■	■	□	■	□		Dispersant for inorganic pigments and fillers. Recommended for alkyd and alkyd modified systems.	
Pat-Add DA 707	Amphoteric polyester dispersant	White Spirit	72%			■	■	□	■	□		Dispersant for inorganic pigments and fillers. Recommended for alkyd and alkyd modified systems. Low viscosity version of DA 701.	
Pat-Add DA 801	Polymeric electroneutral		100%	86	40	■	■	■	■	■	■	Wetting and dispersing additive for colored pigments. Suitable for universal colorants, in conjunction with Pat-Add 501. Recommended for Architectural and Industrial Coatings.	
Pat-Add DA 815	Electroneutral solventfree polymeric		100%	28	15	■	■	■		■	■	Polymeric wetting and dispersing additive that contains acidic group for effective wetting of inorganic pigments such as TiO ₂ , fillers and matting agents.	
Pat-Add DA 895	Electroneutral solventfree polymeric		100%	29	13	■	■	■		■	■	Polymeric wetting and dispersing agent for acidic pigments including carbon black. Suitable for Epoxy, UPR, Polyol and PVC Colorants.	
Pat-Add DA 932	HMV** Polymeric	Xylene/MPA	47%		15	□	■	□		■	■	HMV Technology polymeric wetting and dispersing agent for Industrial paints and solventborne pigment dispersions.	
Pat-Add DA 934	HMV** Polymeric	Xylene/MPA	47%		13	□	■	□		■	■	HMV Technology polymeric wetting and dispersing agent for Industrial paints and solventborne pigment dispersions.	
Pat-Add DA 947	HMV** Polymeric	Butyl Acetate	60%		18	□	■	■		■	■	HMV Technology polymeric wetting and dispersing agent. Coil coatings, Industrial paints and pigment dispersion. Xylene free.	
Pat-Add DA 948	HMV** Polymeric		100%	2	38	□	■	■		■	■	HMV Technology wetting and dispersing additive for solventfree systems. Recommended for co-grinding Epoxy systems.	
Pat-Add DA 1666	Polyamide-polyester electroneutral	Xylene / Isobutanol / Solvesso 100	55%	35	30	■	■	■	■	■		Wide range compatibility. Also provides self assembly structure for anti-settling properties.	
Pat-Add DA 1676	Copolymer with organic acidic groups	Solvent Naptha	50%	37	32	■	■	■	■	■		Controlled flocculating wetting and dispersing additive for solventborne architectural and industrial paints.	
Pat-Add DA 1801	Copolymer with organic acidic groups	Xylene/MPA	60%	70		■	■	■	■	■		Recommended for dispersion of inorganic pigments in particular titanium dioxide, matting agents, special effect pigments and fillers.	
Pat-Add DA 1808	Electroneutral organic compound		100%		50	■	■	■	■	■	■	Wetting and dispersing additive for inorganic and polar pigments in alkyd paints, including Industrial coatings.	
Pat-Add DA 1809	Copolymer with organic acidic groups	Xylene/MPA	60%	87		■	■	■	■	■		Recommended for dispersion of inorganic pigments, matting agents, special effect pigments and fillers.	
Pat-Add DA 1812	Copolymer with organic acidic groups		100%	129		■	■	■	■	■		Recommended for dispersion of inorganic pigments in particular titanium dioxide, matting agents, special effect pigments and fillers.	
Pat-Add DA 3051	HMV - UCT Polymeric	Xylene/MPA	35%		6	■	■	■		■	■	Dispersing additive with cationic pigment affinic groups. Recommended for cogrinding baking systems.	
Pat-Add DA 3054	HIA** Polymeric	Butyl Acetate	47%		25	■	■	■		■	■	Wetting and dispersing additive for organic and carbon black pigments in high performance coatings, Automotive OEM and Refinish. Suitable for RMPC and RFPC formulations.	
Pat-Add DA 3223	HIA** Polymeric - solventfree		100%		53	■	■	■		■	■	Solventfree dispersant based on HIA Technology for preparing highly loaded pigment concentrates for high performance coatings, Automotive OEM and Refinish.	
Pat-Add DA 3225	HIA** Polymeric - solventfree		100%		58	■	■	■		■	■	Solventfree dispersant based on HIA Technology for preparing highly loaded pigment concentrates in plasticizers and polyol-based systems.	

■ Recommended □ Optional

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*** High Molar Volume Ultra-Charge Technology, Patcham's unique technology

****Hyper Intermolecular Association Technology, Patcham's unique technology

Compatibilizer for Universal Colorants

Product Name	Composition	Solvents	Active content (%)	Acid value (mg KOH/g)	Amine value (mg KOH/g)	Recommended for					Features & Benefits
						Aqueous Systems		Decorative	Industrial	Colorant	
						Emulsions	Amine Neutr.				
Pat-Add DA 301	Anionic wetting agent	PG/Water	65%			■	■	■		■	Colorant compatibilizer for emulsion and SB alkyd paint bases.

Multi-functional Surfactants

Pat-Add SU 4	Nonionic surface active agents Available in various concentrations with below solvents: 1. Ethylene glycol 2. 2-Propanol 3. Propylene glycol 4. 2-Ethylhexanol 5. 2-Methoxymethylethoxypropanol (Ref: Product data sheet)					■	■	■	■	■	Provide simultaneous wetting and defoaming in inks, paints and adhesives.
Pat-Add SU 420	Polymeric wetting and dispersing agent		99%			■	■	■	■	■	Wetting and foam destabilizing characteristics for waterborne inks, paints and adhesives.
Pat-Add SU 440	Polymeric nonionic surface active agent		99%			■	■	■	■	■	For excellent wetting and dispersing properties in aqueous systems, with minimum foam.
Pat-Add SU 465	Polymeric nonionic surface active agent		100%			■	■	■	■	■	Substrate wetting agent with good solubility in aqueous systems. Suitable for waterborne coatings and inks
Pat-Add SU 485	Polymeric nonionic surface active agent		100%			■	■	■	■	■	Substrate wetting agent with good solubility in aqueous systems. Suitable for waterborne coatings and inks

Controlled Flocculation Wetting and Dispersing Additives

Product Name	Composition	Solvents	Active content (%)	Acid value (mg KOH/g)	Amine value (mg KOH/g)	Recommended for										Features & Benefits	
						Aqueous Systems					Solventborne Systems						Solventfree Systems
						(Approx)		Emulsions	Amine Neutr.	Decorative	Industrial	Colorant	Non-Polar	Medium Polar	Polar		
Pat-Add C 7711	Polycarboxylic acid polymer	Xylene/DIBK	50%	130	-							■	■	■	■	■	Wetting and dispersing additive to prevent flooding and floatation of solvent free and medium to high polar solventbased coatings.
Pat-Add C 7711S	Polycarboxylic acid polymer with polysiloxane	Xylene/DIBK	50%	105	-							■	■	■	■	■	Wetting and dispersing additive that contains small amount of polysiloxane to prevent flocculation, floatation and improves surface slip and leveling.
Pat-Add C 7714	Polycarboxylic acid polymer	Water	50%	80	80	■	■	■									Wetting and dispersing additive to prevent flooding and floatation of waterborne coatings.

Defoamers

Waterborne Systems

Mineral Oil Defoamers

Product Name	Composition	Diluent/ Solvent	Active content (%)	Recommended for Aqueous Systems						Features & Benefits
				Emulsion paints, exterior wall paints	Amine Neutr.	Decorative	Industrial	Colorant	PVC Range	
Pat-Add AF 11	Mineral oil with hydrophobes	Mineral oil	100	■	■	■			30-80	Standard mineral oil based defoamer for emulsion paints.
Pat-Add AF 14D	Mineral oil with hydrophobes	Mineral oil	100	■	■	■			30-80	Easy dispersible for emulsion paints.
Pat-Add AF 16	Mineral oil with hydrophobes	Mineral oil / water	54	■	■	■			35-70	Economic version of Pat-Add AF 11.
Pat-Add AF 18	Mineral oil with hydrophobes	Mineral oil	100	■	■	■			40-70	For high PVC emulsion paints.
Pat-Add AF 21	Mineral oil with hydrophobes and polysiloxanes	Mineral oil	100	■	■	■	■	■	20-80	APEO and VOC-free defoamer for waterborne paints, inks and pigment dispersions.
Pat-Add AF 24	Mineral oil with hydrophobes	Mineral oil	100	■	■	■	■	■	20-80	Recommended for high shear incorporation. For emulsion paints, inks and pigment dispersions.
Pat-Add AF 27	Mineral oil with silica dispersion	Mineral oil	100	■	■	■	■	■	20-80	Defoamer for waterborne emulsion paints, inks and pigment concentrates

Silicone-based Defoamers

Product Name	Composition	Diluent/ Solvent	Active content (%)	Recommended for Aqueous Systems						Features & Benefits
				Emulsion paints, exterior wall paints	Amine Neutr.	Decorative	Industrial	Colorant	PVC Range	
Pat-Add AF 31	Polydimethylsiloxane	PG/Butyl Carbitol	10%	■	■	■	■		0-25	For waterborne 2K PU, PUD and Acrylic clears.
Pat-Add AF 32	Polyether modified PDMS		100%	■	■	■	■		0-25	For VOC-free waterborne systems, Architectural, Industrial, Inks and Auto OEM.
Pat-Add AF 34	Polyether modified PDMS		100%	■	■	■	■		0-25	For waterborne 2K PU, PUD and Acrylic clears, high compatibility with clear systems.
Pat-Add AF 35	Polysiloxane		100%		■		■	■		Millbase defoamer for aqueous colorants, solventfree colorants and coatings.
Pat-Add AF 38	Modified PDMS		100%	■	■	■	■	■	18-25	Highly effective to eliminate micro foam, also for airless application.
Pat-Add AF 39	Modified PDMS		100%	■	■	■	■	■	0-25	Highly effective to eliminate micro foam, also for airless application. Easy dispersible.
Pat-Add AF 310	Modified PDMS		100%	■	■	□	■		0-25	Deaeration for WB Industrial coatings.
Pat-Add AF 330	Modified PDMS		100%	■	■	■	■	■	0-25	Suitable for pigmented high gloss emulsion systems. Also effective in removal of microfoam.

Polymer-based Defoamers

Product Name	Composition	Diluent/ Solvent	Active content (%)	Recommended for Aqueous Systems						Features & Benefits
				Emulsion paints, exterior wall paints	Amine Neutr.	Decorative	Industrial	Colorant	PVC Range	
Pat-Add AF 43	Polymeric		100%	■	■	■	■		0-25	For waterborne Architectural, Wood and Industrial formulations.
Pat-Add AF 44	Polymeric		100%	■	■	■	■		0-25	Easy dispersible defoamer for waterborne Architectural, Wood and Industrial Formulations.

Solventborne and Solventfree Systems

Polymer-based Defoamers

Product Name	Composition	Diluent/ Solvent	Active content (%)	Recommended for Solventborne Systems						Solventfree Systems	Features & Benefits
				Non-polar	Medium polar	Polar	Decorative	Industrial	Colorant		
Pat-Add AF 61	Polymeric	White Spirit	35%	■	■	■	■	■	□	□	Silicone and fluoro-free, recommended for Industrial Coatings and Inks.
Pat-Add AF 62	Polymeric	White spirit /butyl glycol	35%	■	■	■	■	■		□	Silicone and fluoro-free, recommended for Industrial Coatings and Inks. High compatibility for solventborne clearcoats.
Pat-Add AF 64	Polymeric		100%	■	□		□	■		■	Silicone and fluoro-free defoamer for solventfree polyurethanes and epoxy systems.
Pat-Add AF 86	Polymeric	Solvent Naphtha 100	25%	■	□		□	■		■	Defoamer for wide variety of solventborne and solventfree systems.

Silicone-based Defoamers

Product Name	Composition	Diluent/ Solvent	Active content (%)	Recommended for Solventborne Systems						Solventfree Systems	Features & Benefits
				Non-polar	Medium polar	Polar	Decorative	Industrial	Colorant		
Pat-Add AF 35	Polysiloxane		100%					□	■	■	Millbase defoamer for aqueous colorants, solventfree colorants and coatings.
Pat-Add AF 70	Polysiloxane	Odor less White spirit	5%	■	■	■	□	■	■	■	Specifically for solventfree systems like epoxy and PU's.
Pat-Add AF 72	Fluoro modified polysiloxane	DIBK	1%	■	■	■	■	■		■	Standard PDMS defoamer for all solventborne and solventfree systems.
Pat-Add AF 81	Polysiloxane	Isobutanol/ Solvesso 100	3%	□			□	■		■	Strong air releasing functionality and leveling. Recommended for epoxy clear castings.
Pat-Add AF 90M	Organo-modified polysiloxane		100%	□				□		■	Strong deaerator concentrate to eliminate macro - and microfoam. Suitable for high build, and high viscosity applications.
Pat-Add AF 174	Modified PDMS	DIBK	1%	■	■	■	■	■		■	PFAS-free defoamer and deaerator for solventborne coatings.

Surface Modification Additives

Product Name	Composition	Solvent	Active content (%)	Recommended for										Solventfree Systems	Properties			
				Aqueous Systems				Solventborne Systems					Surface Slip		Substrate Wetting	Anti-crater Effect	Leveling	
				Dispersions	Amine Neutr.	Decorative	Industrial	Non-polar	Medium polar	Polar	Decorative	Industrial						
Pat-Add FL 7	Polyacrylate	Butyl acetate	50%					■	■				■	■		■	■	■
Pat-Add FL 9	Polyacrylate	Butyl acetate	45%					■	■				■	■		■	■	■
Pat-Add LE 1010	Polyether modified polydimethylsiloxane	Xylene	10%					■	■	■	■	■		■	■		■	■
Pat-Add LE 1019	Polyether modified polydimethylsiloxane		100%			■	■	■	■	■	■	■	■	■	■	■	■	■
Pat-Add LE 1020	Polyether modified polydimethylsiloxane	Xylene	10%					■	■	■	■	■		■	■		■	■
Pat-Add LE 1023	Polyether modified polydimethylsiloxane		100%			■	■	■	■	■	■	■	■	■	■	■	■	■
Pat-Add LE 1030	Silicone surfactant	Butyl cellosolve	15%	■	■	■	■								■		■	
Pat-Add LE 1034	Polyether modified polydimethylsiloxane	Dipropylene glycol mono methyl ether	52%	■	■	■	■								■		■	
Pat-Add LE 1040	Silicone surfactant	Butyl cellosolve	15%	■	■	■	■								■		■	
Pat-Add LE 1433	Fluoro modified polyether polyester	DPM / Water	55%	■	■	■	■							■	■	■	■	
Pat-Add LE 1075	Silicone and Fluoro- free organic polymer	Water	65%	■	■	■	■				□				■		■	
Pat-Add LE 1078	Hyper dynamic apolar surfactant	Water	80%	■	■	■	■								■	■	■	
Pat-Add LE 1079	Hyper dynamic apolar surfactant	Water	80%	■	■	■	■								■	■	■	
Pat-Add LE 1477	Fluoro modified polyacrylate	Butyl acetate	45%					■	■	■	■	■	■	■	■	■	■	
Pat-Add SL 1120	Polyether modified polydimethylsiloxane	Butyl acetate	15%					□	■	■			■	■	■	■	■	

Rheology Modifiers

Product Name	Composition	Solvent	Active content (%)	Recommended for Incorporation				Viscosity Development at			Flow Behavior		Features & Benefits
				Aqueous Systems	Solventborne Systems	Post Addition	With High Shear	Low shear rate	Medium shear rate (KU)	High shear rate (ICI)	Pseudoplastic	Thixotropic	
Pat-Add Rheol 99	HEUR	Water/ Propylene glycol	35%	■		■		□	■		■		HEUR based liquid associative thickener suitable for wide range of emulsion paints, pigment and extender slurries and colorants, with good flow and sag resistance properties.
Pat-Add Rheol 100	HEUR	Water/ Hexyl Carbitol	35%	■		■		□	■		■		VOC free version of Pat-Add Rheol 99.
Pat-Add Rheol 117	HEUR	Water/ Butyl Triglycol	40%	■		■			■	□	■		VOC free HEUR thickener, for development of viscosity from mid to high shear. Prevents drastic viscosity drop on tinted bases.
Pat-Add Rheol 125 P	HEUR	Water/ Hexyl Carbitol	25%	■		■		□	■		■		HEUR based liquid associative thickener suitable for wide range of low-VOC emulsion paints; excellent Stormer viscosity (KU) builder.
Pat-Add Rheol 333	HEUR	Water	50%	■		■		□	■	■	■		VOC free HEUR thickener, for development of viscosity from low to high shear.

UPR Putty Additives

Product Name	Composition	Solvent	Active content (%)	Recommended for							Features & Benefits
				Solventborne Systems			Decorative	Industrial	Solventfree		
				Non-polar	Medium polar	Polar					
Pat-Add DA 2704	Unsaturated polyamides with acid polymers	Dearomatized White Spirit	52%				■	■	■	■	For dispersion of fillers such as calcium carbonate and aluminum trihydrate in UP and Epoxy-Vinyl resins. Reduces viscosity and dispersion time. Prevents settling of fillers.
Pat-Add DA 2708	Unsaturated polyamides with acid polymers	2-butoxyethanol	80%				■	■	■	■	For dispersion of fillers such as calcium carbonate and aluminum trihydrate in UP and Epoxy-Vinyl resins. Reduces viscosity and dispersion time. Prevents settling of fillers.
Pat-Add AF 75	Polymeric air releasing	Solvesso 100	38%	□	■	■	□	■	■	□	Prevents air entrapment in ambient temperature curing systems, composites and gelcoats.
Pat-Add Rheol 253	Organic polymer compound	Xylene/ Isobutanol / Solvesso 100	55%	□	□				■		Liquid rheology modifier to enhance the thixotropy of fumed silica and clay based additives in UPR system.
Pat-Add Rheol 259	Organic polymer compound	Xylene/ Isobutanol / Solvesso 100	52%	□	□				■		Liquid rheology modifier to enhance the thixotropy of fumed silica and clay based additives in UPR system.

Other Additives

Anti-Settling Additive

Product Name	Composition	Solvent	Active content (%)	Recommended for							Features & Benefits
				Solventborne Systems			Decorative	Industrial	Solventfree		
				Non-polar	Medium polar	Polar					
Pat-Add DA 831	Anionic compound	Water	36%	■	■	□	■	□			Provides anti-settling in highly filled aqueous systems. Recommended for pigments, extenders and matting agents.

Other Additives

Additive for water incorporation into SB alkyd based systems

Product Name	Composition	Solvent	Active content (%)	Recommended for						Features & Benefits
				Solventborne Systems			Decorative	Industrial	Solventfree	
				Non-polar	Medium polar	Polar				
Pat-Add DA 786	Anionic compound	Water	38%	■	■	□	■	□		For incorporation of water into solventborne alkyd systems. Permits replacement of solvent with water to lower VOC's of applied formulation.
Pat-Add DA 788	Anionic compound	Water	45%	■	■	□	■	□		For incorporation of water into solventborne alkyd systems. Permits replacement of solvent with water to lower VOC's of applied formulation.

Coalescing Additives

Product Name	Composition	Diluent/Solvent	Active content (%)	Recommended for Aqueous Systems					Features & Benefits	
				Emulsion paints, exterior wall paints	Amine Neutr.	Decorative	Industrial	Colorant		
Pat-Add Coal 88	Non-ionic compound		100%	■		■	□			Efficiently supports film formation. Low odor, excellent scrub resistance and paint shelf stability.
Pat-Add Coal 91	Non-ionic compound		100%	■		■	□			Low VOC and biobased coalescing agent. Replaces traditional VOC contributing coalescent.

Flash rust and Anti-corrosion additives

Product Name	Composition	Diluent/Solvent	Active content (%)	Recommended for Aqueous Systems				Features & Benefits	
				Emulsion paints, exterior wall paints	Decorative	Industrial	Colorant		
Pat-Add RU 02	Aqueous solution of organic compounds	Water	30%	■	■	■	□		Liquid flash rust and corrosion inhibitor. Prevents in-can rust formation and improve corrosion resistance of paint films. Recommended for all types of waterborne systems.



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