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High-Performance Polymers and Additives for Wood Finishes and Coatings



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►►► Lubrizol Polymers and Additives for Wood Coatings

With over 40 years experience in technologies meant to preserve the beauty and protect the surface of wood finishes, **Lubrizol** is a world leader in polymers and additives for wood coating applications. Our wide range of products improve durability, enhance aesthetic appeal, strengthen resistance to chemicals, water and abrasion, and aid manufacturing while helping manufacturers to meet increasingly stringent demands for higher performance and lower-VOC emissions.

More specifically, Lubrizol's portfolio of products for wood finishes and coatings includes:

- **Carbaset®**, **Sancure®** and **Turboset™** resins to protect and enhance wood finishes
- **Lanco™** wax additives for great feel, appearance and long-lasting protection
- **Solsperse®** hyperdispersants for excellent pigment stability

And we offer more than just high-performance products. Lubrizol provides customers around the globe with advanced research and development, comprehensive analytical science and applications testing, technical service expertise and a focus on customer service that is unparalleled in the industry. No matter what your application requirements, our team is dedicated to meeting your specific needs.

POLYMERS										
Products	Type/ Appearance	% Solids	pH	Viscosity (cP)	Cosolvent (%NMP)	VOC (g/l)	MFFT ©	Specific Gravity	Tensile Strength (psi)	Description/Suggested Uses
Carbaset CR-715 Acrylic Emulsion	White Translucent	41	8.4	60	n/a	n/a	38	1.03	n/a	Acrylic copolymer with early hardness development and excellent chemical-resistance. Exceptional appearance, especially on wood surfaces.
Carbaset CR-716 Acrylic Emulsion	White Translucent	42	7.6	40	n/a	n/a	75	1.04	n/a	Water-white, very hard emulsion with outstanding print- and block-resistance, even at 140°F. Passes KCMA specs. Low-microfoam, excellent clarity for use over dark and pastel (bleached) stains.
Carbaset CR-728 Acrylic Emulsion	Opaque	42	8.0	25	n/a	n/a	45.0	1.05	n/a	Self-crosslinking acrylic emulsion developed for use in a variety of wood finish applications. It has exceptional water- and chemical-resistance.
Sancure 825 Polyurethane Dispersion	Polyester	34	8.5	425	8.1	321	n/a	n/a	6,600	Aliphatic polyurethane dispersion with best overall blend of durability and water-, alcohol- and abrasion-resistance.
Sancure 20041 Polyurethane Dispersion	Polyester	34	8.0	<200	0	41	n/a	n/a	5,200	Aliphatic NMP-free urethane developed for coating rigid substrates, especially wood. Excellent rapid hardness development.
Sancure AU-4010 Polyurethane Dispersion	Urethane Acrylic	37	8.0	200	5.4	194	n/a	n/a	n/a	A one-component, self-crosslinking aliphatic polyurethane-acrylic hybrid for high-performance clear wood floor finishes.
Sancure OM-933 Urethane Dispersion	Aliphatic Oil-Modified	33	8.0	100	2.5	90	n/a	n/a	n/a	Self-crosslinking, oil-modified urethane dispersion for residential and commercial wood floor finishes with excellent durability, appearance and application ease. Exhibits exceptional outdoor durability.
Sancure OM-945 Urethane Dispersion	Aliphatic Oil-Modified	45	8.0	1000	3.5	91	n/a	n/a	n/a	High-solids, self-crosslinking, oil-modified urethane dispersion for residential and commercial wood floor finishes with excellent durability, appearance and application ease. Exhibits exceptional outdoor durability.
Turboset 2025 Urethane Dispersion	Aliphatic Self- Crosslinking	36	8.2	<500	1	170	n/a	n/a	6,100	Urethane dispersion developed for one-component high-performance wood coatings. Delivers the performance of a 2K system without any additional crosslinkers. Easy to apply with superior clarity and appearance while providing exceptional abrasion-resistance.
Turboset Ultra Pro Urethane Dispersion	Light Milky Dispersion	37 ±1	7.8 - 9.0	500	n/a	6.79	n/a	n/a	4,800	Self-crosslinking waterborne polyurethane dispersion that performs comparable to 2K waterborne finishes on wood sports floors.

WAX ADDITIVES

Products	Function/ Type	Form	Maximum Particle Size via Laser Diffraction Medium ($\mu\text{m-Dv50}$)	% Solids	Solvent	Melting Point ($^{\circ}\text{C}/^{\circ}\text{F}$)	Density (g/cc) @ 20 $^{\circ}\text{C}$	Description/Suggested Uses
Lanco A1601	Amide	n/a	7	n/a	n/a	284	0.99	Amide wax with good matting, silky feel and sandability.
Lanco 1394 LF	PP	n/a	9,13	n/a	n/a	140/284	0.90	Pure polypropylene wax especially recommended for PU and UV coatings, gives excellent matting and surface protection.
Lanco 1725F	PTFE - Modified PE	n/a	6	n/a	n/a	102/216	0.98	FDA compliant, PTFE modified polyethylene wax providing increased abrasion-resistance and slip.
Lanco PP 1362D	Modified PP	n/a	9,6	n/a	n/a	140/284	0.94	Modified polypropylene wax that provides excellent antiblocking, matting and sandability.
Lanco Glidd 4040	PTFE Based	Dispersion	n/a	40	Mineral Spirits	102/216	0.85	Easy-to-use dispersion PTFE-modified wax compound that provides good mar and scratch resistance.
Lanco Glidd 6445	Synthetic	n/a	n/a	42	Water	105/221	0.97	42% solid, APE-free dispersion for aqueous applications, providing excellent matting and surface protection.
Lanco Glidd 6940	PTFE	n/a	n/a	42	Water	n/a	1.48	High-solids PTFE dispersion providing excellent slip in waterborne coatings.
Lanco LiquiMatt 6000	Matting Agent	Dispersion	n/a	100	n/a	n/a	0.96	Easy-to-use liquid matting agent that provides excellent surface feel and uniform matting in waterborne coatings.
Lanco LiquiMatt 6024	Matting Agent	Dispersion	n/a	15	Water	n/a	1.05	Easy-to-use liquid matting agent for use in waterborne urethanes.
Lanco LiquiMatt 6035	Matting Agent	Dispersion	n/a	40	Water	133/270	1	Aqueous dispersion synthetic wax used to efficiently control gloss in aqueous coatings while not needing high shear for incorporation nor generating foam.
Lanco LiquiMatt 6237	Matting Agent	Dispersion	n/a	44	Mineral Spirits	150/302	0.84	Easy to handle wax dispersion used to efficiently control gloss in solvent base coatings. LANCO LIQUIMATT 6237 does not need high shear for incorporation.
Lanco LiquiMatt 6375	Matting Agent	Dispersion	n/a	50	Water	n/a	1	Liquid matting agent for aqueous applications, especially effective for wood coatings giving excellent feel and mar-resistance.
Lanco Matt 2000	Matting Agent	Micronized Powder	6	100	n/a	n/a	2	Organic surface treated silica that provides very smooth surface feel and matting.

HYPERDISPERSANTS

Products	Activity	Form	Solvent	Organic Pigment	Carbon Black	Inorganic Pigments	Silica	Description/Suggested Uses
Solsperse 39000	100	Liquid	n/a	X	X	X		High-performance, UV cure.
Solsperse 41000	100	Liquid	n/a			X	X	Dispersion of TiO_2 and inorganics in UV cure.
Solsperse 41090	90	Liquid	Water			X	X	Dispersion of inorganic pigments in waterborne paints.
Solsperse 46000	50	Liquid	Water	X	X	X		50% active polymer dispersant for waterbased coatings. Provides high pigment loading and broad compatibility.
Solsperse 71000	100	Liquid	n/a	X		X	X	Stabilizes silica matting agents.
Solsperse X300	100	Liquid	n/a	X	X	X	X	Reactive dispersant for dispersion of organic pigments in UV cure.
Solthix A100 Thickener	30	Liquid	Water	n/a	n/a	n/a	n/a	High-efficiency HASE rheology modifier for spray-applied water-borne coatings.

Features & Benefits:

- Superior protection and durability
- Enhanced aesthetic appeal
- Excellent chemical-, abrasion- and stain-resistance
- Compatible with waterborne, solventborne and UV coatings
- Excellent pigment stability



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