



BUILDING & CONSTRUCTION COATINGS PRODUCT GUIDE

RESINS, BINDERS, ADDITIVES & FORMULATED SOLUTIONS

Lubrizol

Performance Coatings

www.lubrizol.com/coatings

RESINS AND DISPERSANTS FOR MORTAR-MODIFIED ELASTIC WATERPROOFING MEMBRANES



RESINS FOR WATERPROOFING MEMBRANES AND COATINGS USED ON POOL DECKS



ACRYLIC RESINS AND POLYURETHANE DISPERSIONS FOR HORIZONTAL MASONRY COATINGS



RESINS AND DISPERSANTS FOR SEALERS AND DECORATIVE TOPCOATS



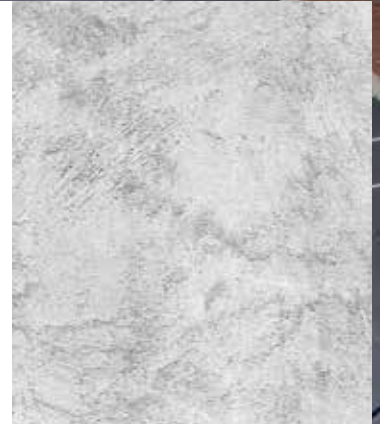
TOPCOAT RESINS
FOR COMMERCIAL
ROOF
APPLICATIONS



PRIMER RESINS
FOR COMMERCIAL
ROOFING
SUBSTRATES



RESINS AND
DISPERSANTS
FOR VERTICAL
ELASTOMERIC
COATINGS



MAKING THE WORLD MORE
BEAUTIFUL THROUGH INNOVATIVE
SURFACE COATINGS



BUILD TO LAST WITH LUBRIZOL

Lubrizol creates specialty chemical solutions that deliver value for coatings manufacturers, architects, builders, and building owners. Our advanced portfolio of resins, polymers, dispersants, and surface modifiers beautify and strengthen a diverse range of interior and exterior surfaces for building and construction applications.

With advanced Lubrizol technologies, coatings manufacturers can improve coating performance and production efficiency. Contractors and architects can shorten construction schedules and reduce labor costs. Property owners will enjoy long-lasting, visually appealing surfaces.



Vertical Masonry

Suitable for concrete, block, brick, stucco, fiber cement and EIFS, Lubrizol resins and additives ensure excellent appearance, excellent color retention, and resistance to water, efflorescence and dirt pick-up.

Horizontal Masonry

Horizontal surfaces often experience the toughest wear. Coatings based on Lubrizol resins and additives enhance the appearance and durability of masonry surfaces.



Liquid Roof Coatings

Lubrizol resins offer dependable protection against weathering, dirt pick-up, and ponding water damage. Our additives disperse pigments that promote reflectivity, which results in lower energy costs for building owners.



Mortar Modification

Lubrizol resin and additive technology is designed to deliver premium mortar performance, including excellent waterproofing, outstanding flexibility (resulting in less cracking), decreased working time, and very good flow characteristics.



Resins & Binders

PRODUCT NAME	DESCRIPTION	KEY FEATURES
Carboset® 2968	Acrylic Copolymer Emulsion	High hardness; Robust water resistance; Outstanding chemical, stain, and early mar resistance; Excellent gloss/wet look
Carboset® 7722	Acrylic Copolymer Emulsion	Versatile binder for enamels and primers ; Good scrub resistance; Early block and print resistance; Slurry compatibility and color acceptance; Low coalescent demand
Carboset® 7733	Acrylic Copolymer Emulsion	Low coalescent demand; Inherent stain removal or washability; Early block and print resistance; Good flow and leveling; High gloss coatings
Carboset® AE-960 F	Acrylic Emulsion	Excellent dirt pick-up; Superb balance of elongation and tensile strength; Outstanding water resistance, weathering and crack bridging performance
Carboset® CA-600	Acrylic Emulsion	Early water resistance and short dry time; Good substrate penetration; resistance to blushing, alkaline, efflorescence, stain and chemical exposure; exterior exposure/weathering and non-yellowing
Carboset® 2951	Acrylic Copolymer Emulsion	Low MFFT with excellent blocking and hardness development. Indoor and Outdoor applications.
Carboset® CA-1009 A	Acrylic Polyurethane Emulsion	Superior water resistance; High durability against wear and weather; UV and thermal aging resistance; Very low water uptake and capillary absorption
Carboset® CR-785	Acrylic Copolymer Emulsion	Cure and seal polymer for horizontal concrete
Carboset® CR7185	Acrylic Copolymer Emulsion	APEO and formaldehyde-free polymer for floors and concrete curing membranes. Good hardness and chemical resistance.
Carboset® RPT 2000	Acrylic Copolymer Emulsion	Universal primer for roofs; Good bitumen bleed through resistance; Good adhesion across range of substrates; Excellent topcoat performance for temperate climates
Carboset® RPT 3030	Acrylic Emulsion	Good adhesion to EPDM; ASTM D6083 compliance capable; Excellent low temperature elasticity capability
Permax™ 805	PVDC Emulsion	Roof primer for metal; Low permeability; Excellent corrosion resistance; Moisture vapor barrier coatings (low MVTR)
Carboset® SA-820	Styrene Acrylic Emulsion	Very stable; resists deterioration and efflorescence when applied directly to highly alkaline substrates such as green concrete and hot stucco; Outstanding long-term elasticity; Excellent water and alkali resistance
Carboset®CA7120RC	Styrene Acrylic Emulsion	APEO and formaldehyde-free version of Carboset SA-820; adhesion to multiple substrates; alkali resistance and excellent balance of mechanical properties for elastomeric and roof coating formulations.
Carboset® SA 850A	Acrylic Copolymer Emulsion	Excellent dirt pick-up, alkali and efflorescence resistance; Robust crack-bridging capability and weathering performance; Excellent resistance to chalking, fading and water penetration; Excellent for primers and topcoats.
Carboset® SA-860	Styrene Acrylic Emulsion	Excellent resistance to dirt pick-up, efflorescence, alkali and water; Outstanding weathering and crack-bridging performance; Strong adhesion to cementitious substrates
Carboset® CA7160RC	Styrene Acrylic Emulsion	APEO- and formaldehyde-free version of Carboset SA-860; Excellent binding properties; Excellent for primers and top coat formulations.
Carboset® X-Flex 100	Acrylic Emulsion	Imparts high mortar flexibility; High flexibility at low temperatures; Dual adhesion properties for adhesion to concrete and tile adhesives
Doresco® L91-1x	Solvent-borne Acrylic Polymer in Xylene	A general purpose hard acrylic that is good for concrete coatings
Sancure™ 20025F	Aliphatic Polyurethane Dispersion	Can be blended with acrylics to enhance coating durability
Sancure™ 970	Composite Polyurethane Dispersion	High solids polyurethane dispersion; For 1K and 2K high performance floor sealers and coatings; Good chemical resistance
Turboset™ 2027	Composite Polyurethane Dispersion	Self-crosslinking; Excellent Taber abrasion resistance; Chemical resistance; High solids
Turboset™ Ultra Eco	Composite Polyurethane Dispersion	Self-crosslinking; VOC levels in final formulation less than 50 grams per liter; Excellent Taber abrasion and black heel mark resistance; Alkali resistance for early applications onto green concrete.
Aptalon™ 8080HS	Polyamide Polyurethane Dispersion	High solids polyamide based polyurethane dispersion. Higher film thickness with less coats. Excellent abrasion and chemical resistance.

			USES					TYPICAL PHYSICAL PROPERTIES				
APEO-FREE*	NMP-FREE*	FORMALDEHYDE-FREE*	LIQUID ROOF COATINGS	VERTICAL MASONRY COATINGS	HORIZONTAL MASONRY COATINGS	MORTAR MODIFICATION	WEIGHT SOLIDS (%)	VISCOSITY cP	pH	MFFT (°C)	SPECIFIC GRAVITY	COATING VOC CAPABILITY (GRAMS/LITER)
Yes	Yes	Yes			•		42.0	76	8.1	57	1.05	250
Yes	Yes	Yes		•	•		50.0	40-800	8.4-9.2	<5	1.06	-
Yes	Yes	Yes		•	•		50.0	40-800	8.4-9.2	21	1.06	-
Yes	Yes	Yes	•	•			55.0	2,000 max	8.5	-	1.03	0
Yes	Yes	Yes			•		42.0	41	8.3	35	1.06	100
Yes	Yes	Yes		•	•		44.0	30-200		<5	1.01	
Yes	Yes	Yes	•				55.0	150-800	8.0-9.0	-	1.10	50
No	Yes	No			•		42.5	40	8.0	44	1.03	270
Yes	Yes	Yes		•	•		42.0	10-300		44	1.03	
Yes	Yes	Yes	•				55.0	100-1,500	7.9-8.7	9	1.06	50
Yes	Yes	Yes	•				55.0	200-1,000	8.0	0	1.06	<50
Yes	Yes	Yes	•				59.5	50	2.3	13	1.28	100
No	Yes	Yes		•			49.0	10,000	8.3	0	1.03	0
Yes	Yes	Yes	•	•			49.0	8000-12500		0	1.01	
Yes	Yes	Yes	•	•			55.0	100-1500	7.9-8.7	9	1.06	50
No	Yes	Yes		•			50.0	7,000-10,500	8.3	21	1.06	150
Yes	Yes	Yes		•	•		49.0	2,500-5,000		18	1.01	
Yes	Yes	Yes				•	60.0	250	8.5	-	1.01	-
Yes	Yes	Yes			•		-	6,000	-	-	-	350
Yes	No	Yes	•	•			48.0	500 max	8.0	-	1.05	50
Yes	Yes	Yes			•		42.0	500 max	8.0-9.0	50	1.06	-
Yes	Yes	Yes			•		39.0	500 max	8.2-9.2	23	1.07	-
Yes	Yes	Yes			•		36.0	400 max	7.5-9.0	<4	1.04	-
Yes	Yes	Yes			•		50.0	<500	7.5-9.0	-	1.01	-

*Ingredients not intentionally contained in the composition or used in manufacture.

Dispersants			TYPICAL PHYSICAL PROPERTIES		
PRODUCT NAME	PIGMENT TYPE	USES	PHYSICAL FORM	ACTIVE (%)	SOLVENT
Solplus™ D610	Organic & Inorganic	Dispersion of organic pigments and silica in epoxy, PU and polyaspartic floor systems improving the self-levelling properties. Excellent stability in reactive systems.	Liquid	100	–
Solplus™ D510	Organic & Inorganic	Increased pigment or silica sand loading, improved self-leveling, color separation resistance and resistance to settling in epoxy flooring applications.	Liquid	100	–
Solplus™ D570	Inorganic	Effective in dispersing higher levels of inorganic pigments and fillers in 100% solid epoxy systems while improving viscosity stability.	Liquid	100	–
Solplus™ K500	Inorganic	Improvement of dispersion and stability, increased filler loading and improved wetting. Particularly effective in epoxy flooring applications.	Liquid	100	–
Solsperse™ 40000	Inorganic	General purpose water-borne, low foam, great for TiO2 and CaCO3.	Liquid	85	Water & Diethanolamine (DEA)
Solsperse™ 44000	Organic & Inorganic	Dispersant for water-based paints.	Liquid	50	Water
Solsperse™ W100	Organic & Inorganic	APEO-free polymeric dispersant that improves dispersion and stability in aqueous coatings. General purpose product with broad applicability.	Liquid	40	Water
Solsperse™ W430	Organic & Inorganic	Dispersants for water-based paints, includes pigment dispersion and stability across a wide range of pigments, good stain resistance.	Liquid	50	Water
Solsperse™ WV 400	Organic & Inorganic	Dispersant for water-based paints, with excellent resistance to standing water.	Liquid	40	Water



Wax Additives		TYPICAL PHYSICAL PROPERTIES		
PRODUCT NAME	USES	PHYSICAL FORM	ACTIVE (%)	SOLVENT
Aquaslip™ 671	Oxidized polyethylene wax emulsion. Provides scratch and abrasion resistance with minimal influence on gloss.	Liquid	37	Water
Aquaslip™ 677	Modified paraffin-based wax emulsion. Provides water resistance and water beading effect. Low influence on gloss and good surface protection.	Liquid	55	Water
Lanco™ Glidd 4370	Creates a protective and decorative layer on stucco wall coatings. Reduces dirt pick-up and enhances easy-to-clean property.	Smooth Flowable Paste	60	Mineral Oil
Lanco™ Glidd 6148	Polyethylene wax dispersion. Provides excellent scratch and abrasion resistance with controlled matting effect.	Liquid	53	Water
Lanco™ 1390 F	Modified synthetic wax for water and solvent based systems. Excellent in-can stability. Provides matting, hardness and excellent slip resistance.	Powder	100	-
Lanco™ Matt 2000	Organically treated silica matting agent. Provides strong and uniform matting effect.	Powder	100	-

Specialty Additives		TYPICAL PHYSICAL PROPERTIES		
PRODUCT NAME	USES	PHYSICAL FORM	ACTIVE (%)	SOLVENT
Solthix™ A100	For viscosity and flow control with highest thixotropic index, excellent sag resistance, and minimal impact on gloss.	Liquid	30	Water
Solthix™ A200	For viscosity and flow control with high thixotropic index, excellent sag resistance, and minimal impact on gloss.	Liquid	30	Water
Solthix™ 250	Viscosity and flow control with excellent sag resistance and minimal impact on gloss.	Liquid	40	PM Acetate





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Lubrizol Performance Coatings is a market-driven innovator of specialty chemicals for advanced coatings, inks, and composites. Our portfolio of resin and additive technologies solve challenges across a wide range of markets and applications. Formulators choose Lubrizol to achieve unique performance, productivity, and sustainability benefits. More than just a supplier, we are a collaborator with extensive experience in surface protection, dispersion, adhesion, and barrier properties – working closely with customers to explore and develop truly differentiated solutions.

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