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Your Technology Our Chemistry  
Advancing coatings solutions

Additives for Paints, Inks and Coatings







## Silicone additives for Paints, Inks and Coatings

The history of coatings science is a fascinating journey that began with the use of simple pigments derived from plants and clay in ancient cave paintings. These early coatings were rudimentary but effective for their time, providing the first glimpse into the potential of materials to enhance and protect surfaces. Over the centuries, the field evolved dramatically, with scientists discovering new materials and techniques to improve the quality and performance of coatings.

Industries and consumers utilize this extensively researched scientific field to enhance aesthetics and protect products and belongings. Though often overlooked, this branch of chemistry plays a crucial role in delivering quality, durability and value across numerous markets. The performance of many coating applications depends on the addition of specialized silicone additives, which are designed with unique properties such as enhanced slip and mar resistance, leveling, foam control, and more. Additionally, their effectiveness even at very low concentrations makes these unique additives widely used to optimize many products and applications.

Siltech is dedicated to advancing the development and manufacturing of a broad spectrum of organo-functional silicone compounds to meet many industrial requirements. Leveraging over three decades of experience, we provide patented and proprietary technologies, including organo-modified silicone surfactants and polymers. Our extensively researched silicone additives are designed to streamline manufacturing processes and elevate product performance, meeting stringent quality benchmarks across an array of functional categories such as wetting agents, slip enhancers, gloss modifiers, and beyond.

Siltech's product range is tailored to meet the specific requirements of a variety of coating systems, including solvent-based, water-based, solventless, or energy-curing systems. Achieving permanent properties in many coating segments involves incorporating reactive silicones into the resin, and Siltech chemists have developed a comprehensive lineup of versatile reactive additives, including silicone acrylates from our Silmer ACR product line, as well as epoxy, amino, hydroxyl, and other functional silicone products.

The quest for novel and effective formulations is fueled by the continual requirement for enhanced performance, an extensive selection of finishes and colors, and the minimization of volatile organic compounds (VOCs). Beyond mere visual appeal, an assortment of industries counts on these specialized coatings to fulfill precise needs, including mitigating friction, augmenting adhesive properties, achieving optimum resilience in extreme temperatures, bolstering corrosion resistance, ensuring water repellency, providing fireproof capabilities, and safeguarding against microbial contaminants.

Siltech chemists are committed to developing formulations that not only meet these challenges head-on but also push the boundaries of science to anticipate and address emerging needs in the coatings industry.



Additive technology is pivotal in enhancing paints, inks, and coatings, spanning applications from vibrant bicycle colours to ship hulls and oil platforms with barnacle-resistant protection. Remarkably, over half of the annual global coatings production caters to the paint industry, addressing diverse needs in automotive finishes as well as architectural applications. Beyond functionality, these advanced products elevate visual appeal, delivering high-quality solutions suitable for commercial and residential applications. In essence transforming surfaces, with finishes that seamlessly blend form and function, while redefining industry standards with innovation and aesthetic sophistication.

Siltech's proprietary additive chemistry contributes to a wide range of specialty coatings, meeting the needs of both commercial enterprises and individual consumers. Effective additive technology is indispensable and utilized across numerous industries, including automotive refinishing, industrial maintenance, pulp and paper manufacturing, various marine applications, and even submersible equipment. This unique chemistry is present in almost everything.

Siltech prioritizes research, investing heavily in developing innovative products. Our state-of-the-art labs and experienced chemists support this, along with pilot plant facilities for experimental needs. Siltech's products meet global compliance standards, with dedicated personnel ensuring adherence to regulations like European REACH and GHS safety data sheets. We maintain stock for quick delivery and can produce custom orders as required. We pride ourselves on high-quality, versatile silicone solutions and welcome partnerships to create effective, cost-efficient products tailored to customer needs.

### Commitment to Sustainable Development

Siltech firmly believes in the collective responsibility of preserving our natural resources and ecosystems. This commitment nurtures the well-being and prosperity of both humanity and our planet, enriching our vibrant natural surroundings and elevating the quality of life for all Earth's inhabitants. As our customers' and consumers' needs change and there is an increasing demand for more environmentally safe and efficient products, Siltech will continue to lead the way developing new products and technologies to meet these needs. This is good not only for Siltech, but for everyone who calls Earth home.





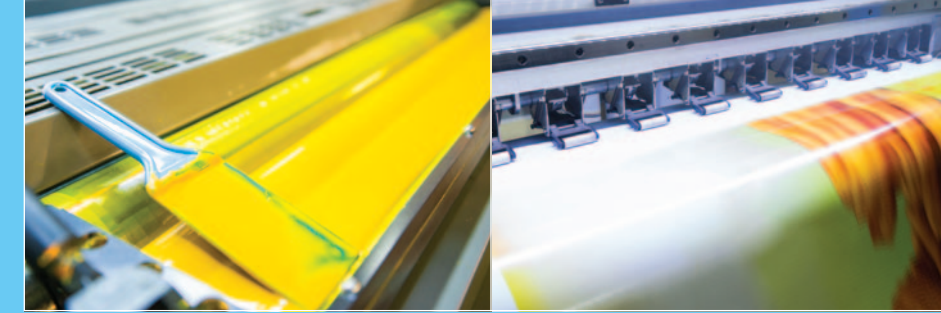
## Siltech's chemistry optimizes the functionality of architectural coatings

Silicone formulations with multifunctional properties enhance the performance of cement-based mortars, concretes, paints, coatings, and various building materials. The integration of silicone resins in protective coatings is critical for improving substrate durability, providing resistance to moisture, corrosion, temperature extremes, and varying weather conditions. Treated masonry coatings display water-repellent qualities, exceptional water vapor and CO2 permeability, resistance to pollutants, fungi, algae and mosses, water-thinnability, environmental compatibility, and a non-thermoplastic nature. Siltech specializes in customizable additives for silicate plasters and synthetic resins, addressing architectural facade design, structural engineering, masonry, and surface leveling.

Siltech's formulations for coatings aim to safeguard metal structural applications, offering a blend of aesthetics and functionality. These coatings are created to enhance the flexibility of structures like commercial buildings, homes, bridges, and railway cars, reducing surface cracking during extreme temperature cycles.



## Elevating enhanced colourant additive performance



Worldwide, offset and digital printers play a continual role in the daily commercial production of newsprint, packaging, sales collateral, and marketing materials. High speed printers and presses rely on specialized ink chemistry that integrates customized silicone additives, solvents, binders, pigments, and dyes to achieve optimal results in diverse printing applications.

Silicone additives are essential in preventing issues like uneven color saturation, ink smudging, marks, and tearing during the printing process. Without additives, inks would lack sufficient drying time as they pass through numerous rollers. To protect the print surface and facilitate smoother paper movement with reduced friction, ink manufacturers incorporate carefully formulated silicone emulsion additives into their ink chemistry. This effectively reduces surface tension, enhances lubrication, optimizes surface smoothness, and mitigates static charges, resulting in flawless ink coverage, vibrant color saturation, fewer printing anomalies, and expedited surface drying times.

Siltech provides additives tailored for a variety of printing methods, including letterpress, flexographic, offset, and digital print production. These solutions are designed for printing on materials like plastics, paper, cardboard, paperboard, and metallized packaging. The increasing daily activity in digital print technology has highlighted the need for high-performance inks, especially in scenarios involving multiple short runs, each requiring specialized inks tailored to a multitude of specific requirements.



## Beautiful, natural, responsibly-sourced wood

Wood, renowned for its quality, aesthetic appeal, and resilience, often takes precedence in architecture, surpassing concrete and composites. However, the ongoing maintenance requirements of wood highlight the importance of expertly crafted wood coatings, essential for preserving its integrity. Enhancing its allure in both commercial and residential applications is a challenge made possible only through high performance silicone coating additives.

Siltech's coatings technology elevates the inherent beauty of wood, providing benefits such as improved durability, prolonged life cycles, and simplified application processes. With its natural charm, sustainability, and reduced carbon footprint, wood continues to be a compelling choice for various applications, reaffirming its status as a timeless and environmentally friendly material.



## Improved performance with Siltech's protective transportation coating formulations

Millions of kilometers of highways, roads, airport runways, and warehouse floors endure constant exposure to corrosion factors like heavy machinery, intense usage, unpredictable weather, oil stains, fuel exposure, and road salt. Without effective protection from specialized coatings containing potent silicone additives, these surfaces face rapid deterioration. External surface finishes are crucial, especially when offering exceptional resistance to weather and chemicals, long-term durability, UV protection, reduced cleaning and maintenance needs, and water repellency that minimizes dirt and grease buildup, enhancing longevity. The construction and maintenance of transportation surfaces are time-consuming and costly, with the coatings' effectiveness closely tied to performance and extended lifespan. Siltech is committed to continual research and development of a comprehensive range of additive solutions tailored for various transportation surface applications.



## Limitless flexibility through Siltech's paint additive chemistry



Surface defects in paint coatings or finishes, such as poor surface wetting, crater formation, inadequate flow coverage, and sensitivity to air drafts, can compromise protection and optical properties. Potential issues often arise from variations in surface tension among materials, originating from internal or external factors like overspray, unfiltered air, or substrate contamination.

Siltech addresses these challenges with highly formulated silicone-based paint additives. Customizable to prevent defects, well formulated additives reduce surface tension in liquid paints and lacquers, improving substrate wetting and providing anti-cratering benefits. Widely used to enhance anti-slip properties, scratch and block resistance, and overall flow efficiency, effective additives are vital across diverse paint formulations, from heavy-duty industrial coatings to architectural paints.

Modified silicones in additives play a crucial role in improving paint performance by spreading evenly over metal, plastic, and wood surfaces, yielding flawless, mirror-like coatings for vehicles, trains, aircraft, and bridges. Functioning as wetting and leveling agents, silicone additives ensure smooth and uniform paint application, aiding pigment dispersion for vibrant finishes.

Various silicone resins, present in additive formulas, provide desirable properties for specialty paints, including high-temperature resistance and effective water sealing. Crucial for surfaces exposed to internal or external heat sources, such as barbecues, automotive engine parts, mufflers, industrial exhaust systems, well formulated additive chemistry ensures easy application and resistance to diverse temperature and weather conditions, enhancing coating durability and functionality. Siltech's comprehensive solutions cater to a wide range of paint types, elevating performance across various applications.



# PRODUCT SELECTION GUIDE

## Primary Benefit, Secondary Benefit

Slip	Foam Control	Mar Resistance	Leveling, Wetting, Flow	Gloss	Prevention of Bernard Cells
Siltech C-39	Siltech C-4714	Siltech C-39	Silsurf A004-UP	Siltech C-42	Siltech C-228
Siltech C-42	Siltech C-4760	Siltech C-241	Silsurf A008-UP	Siltech C-101	Siltech C-241
Siltech C-241	Siltech C-4775	Siltech C-441	Siltech C-42	Siltech C-442	Siltech C-441
Siltech C-258	Siltech C-4800	Siltech C-448	Siltech C-101		Siltech C-442
Siltech C-441	Siltech C-4830	Siltech C-608	Siltech C-204		Siltech C-481
Siltech C-442	Siltech C-4930	Siltech C-4445	Siltech C-277		
Siltech C-448	Siltech C-22	Siltech C-4775	Siltech C-400		
Siltech C-468	Siltech C-39	Siltech E-2157	Siltech C-401		
Siltech C-608	Siltech C-204	Siltech C-22	Siltech C-422		
Siltech C-4445	Siltech C-228	Siltech C-42	Siltech C-404		
Siltech C-4775	Siltech C-258	Siltech C-101	Siltech C-241		
Siltech E-2157	Siltech C-404	Siltech C-228	Siltech C-258		
Siltech C-22		Siltech C-241	Siltech C-441		
Siltech C-101		Siltech C-259	Siltech C-468		
Siltech C-228		Siltech C-468	Siltech C-608		
Siltech E-2155		Siltech E-2155			
Siltech E-8010		Siltech E-8010			

Water Borne System

Slip	Foam Control	Mar Resistance	Leveling, Wetting, Flow	Gloss	Prevention of Bernard Cells
Siltech C-42	Siltech C-32	Siltech C-442	Siltech C-32	Siltech C-32	Siltech C-150
Siltech C-442		Siltech C-22		Siltech C-42	Siltech C-172
Silmer OHT C50		Siltech C-32		Siltech C-101	
Silmer OHT Di-10		Siltech C-42		Siltech C-172	
Silmer OHT Di-50		Siltech C-101		Siltech C-258	
Silmer OHT Di-100		Siltech C-259		Siltech C-7014	
Silmer OHT Di-400		Siltech C-4445		Siltech C-442	
Siltech C-22		Siltech C-4775			
Siltech C-32		Siltech C-7014			
Siltech C-101					
Siltech C-172					
Siltech C-7014					
Siltech C-4445					
Siltech C-4775					

Solvent Free System

Siltech C-39	Siltech C-4100	Siltech C-22	Siltech C-32	Siltech C-32	Siltech C-150
Siltech C-150	Siltech C-4800	Siltech C-39	Siltech C-42	Siltech C-42	Siltech C-172
Siltech C-174	Fluorosil TFP 1000	Siltech C-174	Siltech C-101	Siltech C-101	Siltech C-174
Siltech C-216	Siltech C-22	Siltech C-216	Siltech C-150	Siltech C-150	Siltech C-228
Siltech C-241	Siltech C-32	Siltech C-241	Siltech C-174	Siltech C-241	Siltech C-277
Siltech C-258	Siltech C-39	Siltech C-441	Siltech C-176	Siltech C-176	Siltech C-428
Siltech C-441	Siltech C-204	Siltech C-442	Siltech C-228	Siltech C-216	Siltech C-441
Siltech C-442	Siltech C-228	Siltech C-448	Siltech C-259	Siltech C-259	Siltech C-442
Siltech C-448	Siltech C-258	Silmer OHT C50	Siltech C-277	Siltech C-442	Siltech C-481
Siltech C-468	Siltech C-428	Silmer OH ACR D4	Siltech C-400	Siltech C-400	Siltech C-481
Silmer OHT Di-10		Silmer OH ACR D60	Siltech C-401	Siltech C-401	
Siltech C-22		Silmer OHT C50	Siltech C-422	Siltech C-422	
Siltech C-32		Silmer OHT Di-10	Siltech C-428	Siltech C-428	
Siltech C-42		Silmer OHT Di-50	Siltech C-481	Siltech C-481	
Siltech C-101		Silmer OHT Di-100	Siltech C-7014	Siltech C-7014	
Siltech C-228		Silmer OHT Di-400	Siltech C-216	Siltech C-216	
Siltech C-259		Siltech C-32	Siltech C-241	Siltech C-241	
Siltech C-428		Siltech C-42	Siltech C-441	Siltech C-441	
Siltech C-4445		Siltech C-101	Siltech C-468	Siltech C-468	
Siltech C-4775		Siltech C-176			
		Siltech C-259			
		Siltech C-277			
		Siltech C-428			
		Siltech C-468			

Solvent Borne System

Siltech C-39	Siltech C-22	Siltech C-22	Siltech C-42	Siltech C-42	
Siltech C-42	Siltech C-32	Siltech C-39	Siltech C-101	Siltech C-101	
Siltech C-241	Siltech C-39	Siltech C-42	Siltech C-259	Siltech C-7014	
Siltech C-258	Siltech C-608	Siltech C-241	Siltech C-7014	Siltech C-259	
Siltech C-422	Silmer ACR Di-10	Siltech C-422	Siltech C-441	Siltech C-442	
Siltech C-441	Silmer ACR Di-50	Siltech C-441	Siltech C-448	Siltech C-481	
Siltech C-442	Silmer ACR Di-100	Siltech C-448	Silmer MACR D208		
Siltech C-448		Silmer ACR Di-1508 TF	Silmer ACR Di-2510 TF		
Siltech C-468		Silmer MACR Di-4515-0	Silmer OH ACR Di-10		
Silmer MACR D208		Silmer OH ACR Di-50	Silmer OH ACR Di-100		
Silmer OH ACR Di-10		Silmer OH ACR Di-50	Silmer OH ACR Di-100		
Silmer OH ACR Di-50		Silmer OH ACR Di-100	Silmer OH ACR Di-400		
Silmer OH ACR Di-100		Siltech C-101	Siltech C-216		
Silmer OH ACR Di-400		Siltech C-259	Siltech C-442		
		Siltech C-4445	Siltech C-4775		
		Siltech C-7014			

Radiation Cure System



Additive technology formulated for enhanced performance



Product	Description	Solid %	Solvent	Viscosity 25° C, cSt	Diluents	FDA Compliance	System S/W/UV	Dosage %	Shelf Life months from date of manufacture	Slip	Foam Control	Mar Resistance	Leveling, Wetting, Flow	Gloss	Comments
Siltech C-441	Silicone polyether copolymer	100	None	1,500-3,000	Water, polar solvents, butyl glycol, butyl acetate	175.105 176.210	S/W/UV	0.05-1.00	36	⊕⊕		⊕⊕	⊕		Used in solvent-borne, water-based and energy-curing coatings and ink formulations to eliminate cratering and to improve slip, anti-blocking and flow. Also provides excellent mar resistance.
Siltech C-241	Silicone polyether copolymer	95	Diethylene glycol monobutyl ether	1,200-1,600	Polar solvents, butyl glycol, butyl acetate, aromatic solvents	175.105 176.210	S/W/UV	0.10-1.00	36	⊕⊕		⊕⊕	⊕		Used in solvent-borne, water-based and energy-curing coatings and ink formulations to eliminate cratering, improve slip and flow. Also provides mar resistance.
Silmer MACR D208 Silmer ACR Di-1508 TF Silmer ACR Di-2510 TF Silmer MACR Di-4515-O	Silicone acrylate polyether	100	None	300-1,000 100-500 100-500 1,000-3,000	Water and aromatic solvents		UV	0.10-3.00	24	⊕⊕		⊕⊕			Can be reacted into acrylate polymers for coatings, plastics and resins to incorporate a silicone moiety into the polymer structure to give better slip, anti-blocking, mar resistance, surface smoothness and flexibility. These same benefits can also be incorporated into UV and EB curing systems.
Silmer OHT Di-10 Silmer OHT Di-50 Silmer OHT Di-100 Silmer OHT Di-400	Di-hydroxyalkyl silicone fluid	100	None	200 300 500 7,000	Alcohols	No	S	0.2-3.00	36	⊕⊕		⊕⊕			Hydroxyalkyl modified silicones with two hydroxyl groups on each terminal end. Very effective for anti-graffiti in urethane coatings. Provides superior slip, mar resistance and release properties.
Silmer OH ACR Di-10 Silmer OH ACR Di-50 Silmer OH ACR Di-100 Silmer OH ACR Di-400 Silmer OH ACR D4 Silmer OH ACR D60	Silicone acrylate	100	None	120 200 300 1,500 500 2,000	Aromatic and aliphatic solvents	No	S	0.2-3.00	24 24 24 24 12 12	⊕⊕		⊕⊕			Can be reacted into acrylate polymers for coatings, plastics and resins to incorporate a silicone moiety into the polymer structure to give better slip, anti-blocking, mar resistance, surface smoothness and flexibility. These same benefits can also be incorporated into UV and EB cured systems.
Siltech C-4445	Silicone gum dispersion	80	None	1,000,000-2,000,000	Water	No	S/W	0.50-3.00	24	⊕⊕		⊕⊕			Additive for both water-based as well as solvent-borne coating systems providing excellent slip, mar resistance, gloss, anti-blocking and release effects.
Siltech C-4445-65	Silicone gum dispersion	65	Water	5,000 max	Water	No	S/W	0.50-3.00	24	⊕⊕		⊕⊕			An 65% active dispersion of a very high molecular weight polydimethylsiloxane. It is a very effective water-based additive that provides excellent slip, mar resistance, antiblocking and release effects.
Siltech C-4775	Silicone gum dispersion	80	Water	1,500,000 max	Water	No	S/W	0.50-3.00	24	⊕⊕		⊕⊕			An 80% active dispersion of a very high molecular weight polydimethylsiloxane. It is a very effective water-based additive that provides excellent slip, mar resistance, antiblocking and release effects.
Siltech C-4775-65	Silicone gum dispersion	65	Water	1,000-3,500	Water	No	S/W	0.50-3.00	24	⊕⊕		⊕⊕			An 65% active dispersion of a very high molecular weight polydimethylsiloxane. It is a very effective water-based additive that provides excellent slip, mar resistance, antiblocking and release effects.
Siltech C-442	Silicone polyether copolymer	100	None	1,500-3,500	Polar solvents, butyl glycol, butyl acetate, xylene		S/W/UV	0.05-1.00	36	⊕⊕		⊕⊕	⊕	⊕	Used in solvent-borne, water-based and energy-curing coatings and ink formulations to eliminate cratering, improve slip, gloss and flow. Also provides mar resistance.



Product	Description	Solid %	Solvent	Viscosity 25° C, cSt	Diluents	FDA Compliance	System S/W/UV	Dosage %	Shelf Life months from date of manufacture	Slip	Foam Control	Mar Resistance	Leveling, Wetting, Flow	Gloss	Comments
Silmer OHT C50	Multi-hydroxyalkyl silicone fluid	100	None	900	Alcohols	No	S	0.2-3.00	36	⊕⊕		⊕⊕			Hydroxyalkyl modified silicone with six hydroxyl groups on each terminal end. Very effective for anti-graffiti in urethane coatings. Provides superior slip, mar resistance and release properties.
Siltech C-608	Silicone polyether copolymer	100	None	500-1,000	Aromatic solvents, butyl cellosolve, polar solvents	175.105 176.210 176.170	S/W/UV	0.05-0.50	36	⊕⊕	⊕	⊕⊕	⊕		A non-foaming slip and mar resistance additive for waterborne systems. Good wetting properties.
Siltech C-39	Silicone polyether copolymer	100	None	600-1,500	Ketones, polar solvents, aromatic solvents, methylene chloride	175.105 176.170 177.1520	S/W/UV	0.10-1.50	36	⊕⊕	⊕	⊕⊕			Provides slip and mar resistance in solvent, UV and EB cured coatings. Provides foam control in water-based systems.
Siltech C-42	Silicone polyether copolymer	100	None	300-600	Water (dispersible), polar solvents, acetone, toluene	175.105 176.210 176.170	S/W	0.05-2.00	36	⊕⊕		⊕	⊕⊕	⊕	Improves leveling, gloss, flow-out, wetting. Improves mar resistance.
Siltech C-258	Silicone polyether copolymer	100	None	1,000-1,800	Water, polar solvents, butyl glycol, butyl acetate		S/W	0.10-1.50	36	⊕⊕		⊕⊕	⊕⊕	⊕	Designed to reduce surface tension, improve wetting and compatibility in water and solvent-borne systems.
Siltech C-422	Silicone polyether copolymer	100	None	2,000-4,500	Water (dispersible), polar solvents, acetone, toluene	175.105 176.170 177.1520	S/W	0.05-2.00	36	⊕⊕		⊕	⊕⊕	⊕	Improves leveling, gloss, flow-out, wetting. Improves mar resistance.
Siltech C-448	Silicone polyether copolymer	100	None	12,000	Water, polar solvents, butyl glycol, butyl acetate		S/W/UV	0.01-1.00	36	⊕⊕		⊕⊕			Used in solvent-borne, water-based and energy-curing coatings and ink formulations to eliminate cratering and to improve slip and anti-blocking. It also provides excellent mar resistance.
Siltech C-468	Silicone polyether copolymer	100	None	400-800	Water, polar solvents, butyl glycol, butyl acetate	FCN-1365	S/W/UV	0.05-1.00	36	⊕⊕		⊕	⊕		Used in solvent-borne, water-based, energy-curing coatings and inks to eliminate cratering and to improve slip, anti-blocking and flow. Also provides mar resistance and offers good re-coatability.
Siltech C-216	Silicone polyether copolymer	10	Toluene	2-5	Aromatic and aliphatic solvents	No	S	0.10-1.50	36	⊕⊕		⊕	⊕		Improves slip, mar resistance, and leveling. For solvent-borne systems.
Siltech E-2155	30% active emulsion of a medium viscosity cross-linking amino silicone	30	None	10	Water	No	W	0.05-1.50	12	⊕		⊕			Film forming silicone emulsion. Provides excellent durability and gloss to tire shines, furniture polishes and hard surface cleaners. Provides a coating as is or improves hydrophobicity, release and dirt pickup in water-based coatings.
Siltech E-2157	30% active emulsion of a highly cross-linked amino silicone	30	None	10	Water	No	W	0.05-1.50	12	⊕⊕		⊕⊕			Film forming silicone emulsion. Provides excellent durability and gloss to tire shines, furniture polishes and hard surface cleaners. Provides a coating as is or improves hydrophobicity, release and dirt pickup in water-based coatings.
Siltech E-8010	Crosslinking silicone emulsion with anionic emulsifiers	53	None	30	Water	No	W	0.05-1.50	12	⊕		⊕			Film forming silicone that provides excellent durability, water repellency, and release properties to many surfaces including concrete, roofing, rubber, countertops, etc. Can be used as is or in diluted concentrations.



Product	Description	Solid %	Solvent	Viscosity 25° C, cSt	Diluents	FDA Compliance	System S/W/UV	Dosage %	Shelf Life months from date of manufacture	Slip	Foam Control	Mar Resistance	Leveling, Wetting, Flow	Gloss	Comments
Silsurf A004-UP Silsurf A008-UP	Silicone polyether copolymer	100	None	20-50 50-100	Polar solvents, aromatic solvents, butyl cellosolve	No	S/W/UV	0.10-0.50	36			⊕⊕	⊕⊕		Superior wetting and spreading properties for all coating systems.
Siltech C-7014	Silanol-functional	100	None	13-15	Aromatic, aliphatic and chlorinated solvents	No	S	0.10-1.00	36	⊕		⊕	⊕⊕	⊕	Improves leveling and anti-cratering and reduces orange peel. Prevents pigment floating and provides mar resistance in solvent-borne systems.
Siltech C-277	Silicone polyether copolymer	100	None	1,200-2,500	Water, polar solvents, butyl glycol, butyl acetate	175.105 176.170 176.210	S/W	0.10-0.50	36	⊕		⊕	⊕⊕	⊕	Increases surface slip and improves leveling and gloss. Improves wetting and provides anti-blocking benefits. Prevents formation of Bernard cells.
Siltech C-428	Silicone alkyl polyether	100	None	300-800	Aromatic solvents, polar solvents, butyl cellosolve		S	0.05-0.25	36	⊕	⊕	⊕	⊕⊕		Leveling additive for solvent-borne systems. Defoaming properties. Prevents formation of Bernard cells. Increases surface slip and scratch and mar resistance.
Siltech C-228	Siltech C-428 in ethylene glycol monobutyl ether	50	Ethylene glycol monobutyl ether	200-500	Aromatic solvents, polar solvents, butyl cellosolve		S/W	0.10-0.50	36	⊕	⊕	⊕	⊕⊕		Leveling additive for solvent-borne and waterborne systems. Defoaming properties. Increases surface slip and scratch and mar resistance. Prevents formation of Bernard cells.
Siltech C-404	Silicone polyether copolymer	100	None	75-200	Dipropylene glycol monomethyl ether	175.105 176.170 177.1520	W	0.05-0.50	36		⊕		⊕⊕		Re-coatable additive for wetting and leveling in waterborne systems. Does not stabilize foam.
Siltech C-204	Siltech C-404 in dipropylene glycol monomethyl ether	52	Dipropylene glycol monomethyl ether	10-50	Dipropylene glycol monomethyl ether	176.170 177.1520	S/W	0.10-1.00	36		⊕		⊕⊕		Re-coatable additive for wetting and leveling in waterborne systems. Does not stabilize foam.
Siltech C-150	Silicone polyether copolymer	100	None	1,000-5,000	Xylene, isobutanol, butyl glycol, polar solvents	175.105 176.170 176.210	S/W	0.10-0.50	36	⊕		⊕	⊕⊕	⊕	Increases surface slip and improves leveling and gloss. Improves wetting and provides anti-blocking benefits. Prevents formation of Bernard cells.
Siltech C-172	Silicone polyether copolymer	100	None	500-1,500	Xylene, isobutanol, butyl glycol, polar solvents	175.105 176.210	S/W	0.10-0.50	36	⊕		⊕	⊕⊕	⊕	Increases surface slip and improves leveling and gloss. Improves wetting and provides anti-blocking benefits. Prevents formation of Bernard cells.
Siltech C-174	Siltech C-172 in xylene and isobutanol	52	Xylene and isobutanol	10-40	Xylene, isobutanol, butyl glycol	175.105 176.210	S	0.20-1.00	36	⊕		⊕	⊕⊕	⊕	Increases surface slip and improves leveling and gloss. Improves wetting and provides anti-blocking benefits. Prevents formation of Bernard cells.
Siltech C-176	Silicone polyether copolymer	13	Xylene & monophenol glycol ether	2-5	Aromatic solvents	175.105 176.210	S	0.10-0.50	36	⊕		⊕	⊕⊕	⊕	For solvent-borne systems to give wetting. Improves slip, anti-blocking and gloss.
Siltech C-32	Silicone alkyl aryl fluid	100	None	800-1,500	Aromatic solvents, mineral spirits, chlorinated hydrocarbons	No	S	0.05-1.00	36	⊕	⊕	⊕	⊕⊕	⊕	Additive for solvent and solventless systems where it provides leveling, de-aeration, and mar resistance. Good re-coatability and heat stability.



Product	Description	Solid %	Solvent	Viscosity 25° C, cSt	Diluents	FDA Compliance	System S/W/UV	Dosage %	Shelf Life months from date of manufacture	Slip	Foam Control	Mar Resistance	Leveling, Wetting, Flow	Gloss	Comments
Siltech C-101	Silicone polyether copolymer	100	None	200-500	Water, polar solvents, aromatic solvents	No	S/W	0.10-1.50	36	⊕		⊕	⊕⊕	⊕	Reduces surface tension and improves flow-out, leveling, wetting and gloss.
Siltech C-400	Silicone polyether copolymer	100	None	80-120	Water, polar solvents, butyl glycol, butyl acetate	175.105 176.170 177.1520	S/W	0.05-1.00	36				⊕⊕		Used in solvent-borne, water-based and solventless coatings and inks. Provides good substrate wetting, flow and leveling.
Siltech C-401	Silicone polyether copolymer	100	None	60-100	Water, polar solvents, butyl glycol, butyl acetate	175.105 176.170 177.1520	S/W	0.05-1.00	36				⊕⊕	⊕	Used in solvent-borne, water-based and solventless coatings and inks. Provides good substrate wetting, flow and leveling.
Siltech C-259	Silicone polyether copolymer	100	None	700-1,100	Water, polar solvents, xylene		S/W	0.10-1.50	36	⊕		⊕	⊕⊕	⊕	Designed to reduce surface tension, improve wetting and compatibility in water and solvent-borne systems.
Siltech C-481	Silicone polyether copolymer	100	None	150-450	Water, polar solvents, butyl glycol, butyl acetate	175.105 176.170 177.1520	S/W	0.05-1.00	36	⊕		⊕	⊕⊕		Used in solvent-borne, water-based and solventless coatings and inks. Provides good substrate wetting, flow and leveling
Siltech C-4100	Silicone antifoam compound	100	None	8,000-12,000	Water, isopropyl alcohol, non-polar solvents	175.105 176.170 176.180 176.210	S/W	0.05-0.50	24		⊕⊕				Excellent antifoaming and de-foaming in various coating systems.
Siltech C-4800 Siltech C-4830 Siltech C-4930	Emulsion of foam-destroying silicones and silica	65 40 40	Water	2,000-6,000 1,000-3,000 2,000-5,000	Water, polar solvents	No	S/W W W	0.10-1.00	36		⊕⊕				Defoamer for water-based systems.
Siltech C-4714	Universal defoamer to control foam without defects in water-borne and solvent-borne coatings, contains silica	100	None	3,000	Water, polar solvents		S/W	0.1-0.50	24		⊕⊕				Effective against micro-foam during mixing or let-down; compatible with most waterborne and solvent-borne coating and paint systems
Siltech C-4760	Universal defoamer to control foam without defects in water-borne and solvent-borne coatings, contains silica	60	Water	2,000	Water		W	0.1-0.5	12		⊕⊕				Effective against micro-foam during mixing or let-down; compatible with most waterborne coating and paint systems.
Siltech C-22	Silicone polyether copolymer	100	None	300-600	Polar solvents, aromatic solvents, methylene chloride	No	S/W	0.05-1.00	36	⊕	⊕⊕	⊕			Used in solvent-borne, water-based and energy-cured coatings and ink formulations to improve anti-blocking and mar resistance. It also acts as a defoamer in water-based systems.
Fluorosil TFP 1000	Fluorosilicone fluid	100	None	1,000	Acetone, ketones	No	S	0.05-0.50	36		⊕⊕				Effective foam control agent in many organic systems. It also provides lubricity and reduced coefficient of friction.