

Guide to CSL Silicone Products



Consumer Silicones

Product	Description	Features	Typical Applications
CSL-160	Consumer Silicone Sealant (not for concrete)	<ul style="list-style-type: none"> • Excellent general-purpose sealant • Mildew Resistant • Will not shrink, crack, crumble, bleed or dry out 	Seals around tubs, sinks, shower and bath panel joints, counter tops, etc.

Building & Construction Silicones

Product	Description	Features	Typical Applications
CSL-302	Silicone Glazing Sealant (not for concrete)	<ul style="list-style-type: none"> • Agriculture Canada and USDA approved • Meets TT-S-1543A and TT-S-230C • Withstands $\pm 50\%$ joint movement • Excellent adhesion to most common substrates 	Used in weatherproofing glazing applications. Ideal for steel, aluminum or wood windows, skylights, glass partitions, weatherstripping, etc.
CSL-303	General Purpose Silicone Construction Sealant (not for concrete)	<ul style="list-style-type: none"> • Meets TT-S-1543A and TT-S-230C • Meets AAMA 802.3-92, Type II specifications • Withstands $\pm 25\%$ joint movement • Excellent resistance to all weathering conditions • Excellent adhesion to most common substrates 	Used in glazing of steel, aluminum or wood windows, skylights. Also useful as weatherstripping and in automotive applications.
Si-coat™ 326	One-Part Silicone Rubber Roof Coating	<ul style="list-style-type: none"> • Neutral cure formulation • High volume solids • Supplied ready-to-use with no chemical mixing • Easy to apply by spray, brush or roller • Superior weathering resistance 	Designed specifically for use as a roof coating. Will adhere to most common roofing materials such as concrete, masonry, metal and wood.
CSL-335	High Performance Silicone Building Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Registered under the Components Program of UL • Meets ASTM C510 non-staining standards • Excellent adhesion to glass, aluminum, porcelain ceramic, wood, stainless steel, most plastics and many other substrates including concrete 	Used in interior and exterior glass partitions, skylights and curtain walls. Also used in appliance, aircraft and marine manufacturing.
CSL-343	Silicone Construction Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Will not slump or flow when applied vertically • Withstands $\pm 50\%$ joint movement • Excellent resistance to all weathering conditions • Meets TT-S-1543A and TT-S-230C specifications • Meets ASTM C920 specifications • Meets CAN/CGSB-19.13-M87 specifications 	Particularly effective for building joints designed for extreme movement. Also useful in concrete construction for curtain walls and precast concrete panel joints. Can also be used as a repair material where other sealants have failed.

Concrete Joint Silicones

Product	Description	Features	Typical Applications
CSL-315	Self-Leveling Silicone Concrete Joint Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • No tooling required • Withstands +100%/-50% joint movement • High elasticity • Meets ASTM C719-86 specifications • Approved by many United States DOT's 	Uniquely engineered for concrete pavement joint sealing. Also useful in building construction or wherever excessive joint movement capability is required.
CSL-342	Non-Slump Silicone Concrete Joint Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Withstands $\pm 50\%$ joint movement • High elasticity • Approved by many United States DOT's 	Uniquely engineered for concrete pavement joint sealing. Also useful in building construction or wherever excessive joint movement capability is required.

Window Manufacturing Silicones

Product	Description	Features	Typical Applications
CSL-339	Fast Cure Silicone Window Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Will maintain adhesion to concrete, masonry, metal, wood, and other common construction materials • 500% elongation 	Uniquely engineered to meet the requirements as a backbedding sealant for high speed window and door manufacturers.
CSL-344	Silicone Window Manufacturing Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Will not slump or flow when applied vertically • Withstands $\pm 50\%$ joint movement • Excellent resistance to all weathering conditions 	Engineered exclusively for the window manufacturing industry.
CSL-345	Fast Cure Silicone Window Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Will maintain adhesion to concrete, masonry, metal, wood, and other common construction materials • 400% elongation 	Uniquely engineered to meet the requirements as a backbedding sealant for high speed window and door manufacturers.

Industrial Silicones

Product	Description	Features	Typical Applications
CSL-502	Industrial Silicone Sealant/Adhesive	<ul style="list-style-type: none"> • Excellent sealant/adhesive for industrial use • Provides permanently flexible bond or seal 	Useful for formed-in-place gaskets, adhering appliance trim and sealing appliance parts, sealing ductwork joints, marine portholes, etc.
CSL-510	Self-Leveling Industrial Silicone Sealant/Adhesive	<ul style="list-style-type: none"> • Excellent sealant/adhesive for industrial use • Provides permanently flexible bond or seal • No tooling required 	Applications include coating and sealing of outdoor mechanical and electrical junction and control boxes, cabinets and surface mounted hardware.
CSL-535	Oil Resistant Silicone Sealant/Adhesive	<ul style="list-style-type: none"> • Neutral cure formulation • Recognized under the Components Program of Underwriters Laboratories Inc.® • Excellent adhesion to glass, metal, porcelain, ceramic, wood, most plastics, etc. 	Can be used for a broad range of industrial applications such as sealing LNG, LPG and NG pipeline flanges and valves. Also useful as a sealant in oil pans, rear axles, engines, transmissions, etc.

High Temperature & Fire Rated Silicones

Product	Description	Features	Typical Applications
CSL-381	Self-Leveling Silicone Firestop	<ul style="list-style-type: none"> • Neutral cure formulation • Withstands +100%/-50% joint movement • No tooling required • Resists passage of water, smoke, dust and toxic gases • Approved by UL[®] for firestop systems: CAJ0021, CAJ0022, CAJ1049, CAJ1050, CAJ5026, CAJ8008, and CAJ8009 	Engineered for sealing floor penetrations as a firestop. Approved by UL [®] for use in XHEZ Through-Penetration Firestop Systems with F ratings up to 3 hours and T ratings up to 2 hours. Please consult the latest UL [®] Fire Resistance Directory.
CSL-382	Non-Slump Silicone Firestop	<ul style="list-style-type: none"> • Neutral cure formulation • Withstands +100%/-50% joint movement • Resists passage of water, smoke, dust and toxic gases • Approved by UL[®] for firestop systems: CAJ0021, CAJ0022, CAJ1049, CAJ1050, CAJ5026, CAJ8008, and CAJ8009 	Engineered for sealing wall penetrations as a firestop. Approved by UL [®] for use in XHEZ Through-Penetration Firestop Systems with F ratings up to 3 hours and T ratings up to 2 hours. Please consult the latest UL [®] Fire Resistance Directory.
CSL-503	Hi-Temp Silicone Rubber Gasket Material	<ul style="list-style-type: none"> • Unaffected by extreme temperatures -60°C to 315°C (-76°F to 600°F) • Gasket will remain permanently flexible • Provides excellent resistance to vibration & shock 	Typical gasket uses include: pump & compressor gaskets, appliance gaskets, ductwork gaskets, electrical insulation, fireplace seals, high temp. spacers, etc.
CSL-504	Hi-Temp Silicone Rubber Gasket Material	<ul style="list-style-type: none"> • Unaffected by extreme temperatures -60°C to 315°C (-76°F to 600°F) • Gasket will remain permanently flexible • Provides excellent resistance to vibration & shock 	Typical gasket uses include: pump & compressor gaskets, appliance gaskets, ductwork gaskets, electrical insulation, fireplace seals, high temp. spacers, etc.
CSL-513	Self-Leveling Hi-Temp Silicone Rubber Gasket Material	<ul style="list-style-type: none"> • No tooling required • Unaffected by temperatures up to 260°C (500°F) • Gasket will remain permanently flexible • Provides excellent resistance to vibration & shock 	Typical gasket uses include: pump & compressor gaskets, appliance gaskets, electrical insulation, air conditioner & humidifier gaskets, electric iron gaskets, encapsulation, etc.
CSL-533	High Temperature Non-Corrosive Gasket Material	<ul style="list-style-type: none"> • Neutral cure formulation • Unaffected by extreme temperatures -60°C to 315°C (-76°F to 600°F) • Gasket will remain permanently flexible • Provides excellent resistance to vibration & shock 	Typical gasket uses include: pump & compressor gaskets, appliance gaskets, ductwork gaskets, electrical insulation, fireplace seals, high temp. spacers, valve and solenoid covers, etc.
CSL-557 CSL-558 CSL-559	Flame Retardant Silicone Sealant/Adhesive	<ul style="list-style-type: none"> • Neutral cure formulation • Superior flame retardancy • UL[®] 94-V0 rating • Adheres to various substrates without primer • Excellent electrical insulation properties 	Highly effective in electronic, appliance, transportation and in other industries where resistance to burning is a significant design requirement.

Silicones for the Power Industry

Product	Description	Features	Typical Applications
Si-coat™ 570	High Voltage Insulator Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Effective in conditions from salt fog to cement dust • Not affected by UV light, temperature and normal chemical environments • Highly hydrophobic • Superior self-cooling mechanism • Unsurpassed adhesion • Smooth finish • Easy to apply by spray or brush • Supplied ready-to-use with no mixing of chemicals • Patented technology 	Provides a virtually maintenance-free system to prevent leakage current, tracking and flashover of electrical insulators. Eliminates or reduces regular insulator cleaning, periodic reapplication of grease and replacement of components damaged by flashover.
Si-coat™ 579	One-Part Silicone Rubber Anti-Corrosion Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Not affected by UV light, temperature and normal chemical environments • Retains elastomeric properties for life • Highly hydrophobic • Unsurpassed adhesion • Eliminates problem of rust creep under coating surface, as experienced with conventional coatings • Smooth finish • Minimal surface preparation required • Easy to apply by spray, brush or roll • Supplied ready-to-use with no mixing of chemicals • Patent pending technology 	Provides corrosion protection to all steel structures. Elastomeric properties ensure product will not crack due to thermal or vibrational expansion. Typical applications include bridges, utility poles, chemical storage tanks, marine structures, pipelines, etc. Si-coat™ 579 is also highly effective as an encapsulant for old lead based paints since no sandblasting is required for proper adhesion.
Si-coat™ 587	Animal Guard Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Prevents power system outages and damage caused by animals • High dielectric strength • Easy to apply in one coat • Tough, tear resistant finish • Provides 10kV insulation strength • Superb adhesion to most insulating materials 	Highly effective as a coating to protect metal surfaces from flashovers caused by animals in substations, on transmission lines, etc.
CSL-880	High Voltage Insulator Compound	<ul style="list-style-type: none"> • Non-curing compound • Not affected by UV light, temperature, normal chemical environments and ozone • Supplied ready-to-use with no mixing of chemicals • Proven to be effective in all types of conditions from salt fog to cement dust 	Developed for the maintenance of high voltage insulators. Its grease-like formulation gives porcelain insulators long-term resistance to water filming, thereby suppressing leakage current.
CSL-890	Sprayable High Voltage Insulator Compound	<ul style="list-style-type: none"> • Non-curing compound • Not affected by UV light, temperature, normal chemical environments and ozone • Supplied ready-to-use with no mixing of chemicals • Effective in conditions from salt fog to cement dust • Easy to apply by spray 	Developed for the maintenance of high voltage insulators. Its grease-like formulation gives porcelain insulators long-term resistance to water filming, thereby suppressing leakage current.

Moldmaking Silicones

Product	Description	Features	Typical Applications
CSL-520	Silicone Potting and Encapsulating Compound	<ul style="list-style-type: none"> • Smooth, pourable liquid • 2-part, catalyst cure • No preheating required • Cures in any thickness without heat 	Can be used for a broad range of mechanical and electrical/electronic applications. Such applications include potting and encapsulating electrical coils, connectors and printed circuit boards, for making cast-in-place gaskets and for release surface applications.
CSL-615	Two-Part Moldmaking Silicone Rubber	<ul style="list-style-type: none"> • Flexible moldmaking-making material 	For use in making molds of general-purpose.

Electronics Industry Silicones

Product	Description	Features	Typical Applications
CSL-506	Self-Leveling Electronic Silicone Sealant/Adhesive	<ul style="list-style-type: none"> • Recognized under the Components Program of Underwriters Laboratories Inc.® • Neutral cure formulation • Will not corrode copper, brass or silver • Effectively fills small spaces 	Applications include potting electrical terminals, and sealing electronic devices to prevent the ingress of moisture and other contaminants.
CSL-519	Heat Conductive Sealant	<ul style="list-style-type: none"> • Neutral cure formulation • Non-corrosive • High thermal conductivity • High dielectric strength • Provides maximum protection for electronics 	Typical applications include: thermocouple wells, solar panels, heat exchangers, thermo-electric coolers, thermal coupling and sealing in appliances.
CSL-541	Conformal Silicone Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Non-corrosive to metals in electronic/electrical equipment • Coating can be applied by spray, flow and brush techniques 	Highly effective as a coating for circuit boards to protect from contamination.
CSL-542	Low Viscosity Conformal Silicone Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Non-corrosive to metals in electronic/electrical equipment • Coating can be applied by spray, flow and brush techniques • Low viscosity 	Highly effective as a coating for circuit boards to protect from contamination.
CSL-588	Electronic Grade Silicone Sealant/Adhesive	<ul style="list-style-type: none"> • Neutral cure formulation • Recognized under the Components Program of Underwriters Laboratories Inc.® • Meets MIL-A-46146A, Type 1 specifications • Non-corrosive to metals in electronic/electrical applications 	Designed as a durable general purpose sealant/adhesive for a wide range of electrical and electronic applications including: lead wire entries, conduit terminal boxes and connectors, component mounting, conduit ends, splices, cover plates, printed circuit boards, etc.
CSL-850	Heat Sink Compound (white)	<ul style="list-style-type: none"> • Non-curing compound • High thermal conductivity • Low bleed • Retains consistency over a temperature range of -50°C to 200°C (-55°F to 390°F) 	Generally used as a thermal coupling of electrical/electronic devices to heat sinks. It can be used as an effective thermal coupler for any heat sink device where efficient cooling is required.

Silicone Coatings

Product	Description	Features	Typical Applications
Si-coat™ 326	One-Part Silicone Rubber Roof Coating	<ul style="list-style-type: none"> • Neutral cure formulation • High volume solids • Supplied ready-to-use with no chemical mixing • Easy to apply by spray, brush or roller • Superior weathering resistance 	Designed specifically for use as a roof coating. Will adhere to most common roofing materials such as concrete, masonry, metal and wood.
Si-coat™ 570	High Voltage Insulator Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Effective in all conditions from salt fog to cement dust • Not affected by UV light, temperature and normal chemical environments • Highly hydrophobic • Superior self-cooling mechanism • Unsurpassed adhesion • Smooth finish • Easy to apply by spray or brush • Supplied ready-to-use with no mixing of chemicals • Patented technology 	Provides a virtually maintenance-free system to prevent leakage current, tracking and flashover of electrical insulators. Eliminates or reduces regular insulator cleaning, periodic reapplication of grease and replacement of components damaged by flashover.
Si-coat™ 579	One-Part Silicone Rubber Anti-Corrosion Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Not affected by UV light, temperature and normal chemical environments • Retains elastomeric properties for life • Highly hydrophobic • Unsurpassed adhesion • Eliminates problem of rust creep under coating surface, as experienced with conventional coatings • Smooth finish • Minimal surface preparation required • Easy to apply by spray, brush or roll • Supplied ready-to-use with no mixing of chemicals • Patent pending technology 	Provides corrosion protection to all steel structures. Elastomeric properties ensure product will not crack due to thermal or vibrational expansion. Typical applications include bridges, utility poles, chemical storage tanks, marine structures, pipelines, etc. Si-coat™ 579 is also highly effective as an encapsulant for old lead based paints since no sandblasting is required for proper adhesion.
Si-coat™ 587	Animal Guard Coating	<ul style="list-style-type: none"> • Neutral cure formulation • Prevents power system outages and damage caused by animals • High dielectric strength • Easy to apply in one coat • Tough, tear resistant finish • Provides 10kV insulation strength • Superb unprimed adhesion to most insulating materials 	Highly effective as a coating to protect metal surfaces from flashovers caused by animals in substations, on transmission lines, etc.

Silicones for Repackagers

Product	Description	Features	Typical Applications
CSL-304	Silicone Sealant for Repackagers (not for concrete)	<ul style="list-style-type: none"> • Designed for general-purpose use • Excellent adhesion to glass, aluminum, porcelain ceramic, wood, stainless steel, most plastics and many other substrates 	Used in window and door manufacturing, appliance manufacturing, caulking of vents, window and door frames. Also for marine and automotive use.
CSL-307	Silicone Sealant for Repackagers	<ul style="list-style-type: none"> • Neutral cure formulation • Excellent adhesion to glass, aluminum, porcelain ceramic, wood, stainless steel, most plastics and many other substrates including concrete 	Used in window and door manufacturing, appliance manufacturing, caulking of vents, window and door frames. Also for marine and automotive use.

Other Products

Product	Description	Features	Typical Applications
CSL-708 CSL-750 CSL-760	Silanol Terminated Polydimethylsiloxanes (reactive)	<ul style="list-style-type: none"> • Viscosities ranging from 20,000 cP to 80,000 cP 	For use in compounding sealants.
CSL-840 CSL-841	Silicone Compound (thick) Silicone Compound (thin)	<ul style="list-style-type: none"> • Non-curing compound • Highly water repellent • Resistant to oxidation • Low bleed • Retains consistency over a temperature range of -50°C to 200°C (-55°F to 390°F) • Easily applied by brushing or wiping 	Apply it as a grease to provide lubrication and water repellency.
CSL-944	Primer	<ul style="list-style-type: none"> • Dries to a clear finish 	Especially useful to provide adhesion to powdery surfaces or those contaminated with oil or other organic materials or residues.