

Electrical Sealants

Chem Seal Sealants	Specifications	Product Description and Use
CS 3100 CS 3100M	Mil-PRF-8516G STM-M225-5	Potting & Sealing Compound for sealing and moisture proofing adhesive bonded structures. Available in three application times and three consistencies.
CS 3104A	131208-27 Mil-PRF-8516G	Low Adhesive Potting Compound similar to CS 3100 with the exception of Low Adhesion. Its low adhesive strength makes it possible to remove the encapsulating material from connections.
CS 3209	STM 40-109 Rev. C CMNP094 TY. XV	Electrically Conductive Sealant - Used as a faying surface sealant. Meets all the requirements of AMS-S- 8802. Designed to conduct static electricity.
CS 3802	Areojet - AGC 34076 Pratt & Whitney TS10425	Room Temperature Silicone is used as an insulating coating and thermal barrier in missile applications where heat transfer must be retarded.
CS 3808	BMS-8-68 (Boeing) MMS M138 Rev.13	Room Temperature Silicone, chemically cured. Used for aircraft, missile and electronic applications.

Aircraft Fuel Tank & Pressure Cabin Sealants:

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CS 1900	Mil-S-38249 Type I	Firewall Sealant Used for sealing firewall structures. It is elastomeric and is able to withstand intermittent temperatures of up to 2000 deg. F.
CS 2415	DMS 1819C, Mil-S-38228 Cl A, Cl B, STM 40-006 Class A	Aluminum Exterior Sealant recommended for sealing external seams, depressions and gaps on aircraft to yield weather tightness and achieve aerodynamic smoothness. Withstands jet fuels and weathering. Available in Application Times of 1/2 hour and 2 hours.
CS 3105	Flamemaster Specification 8030-01-469-7150	Junction Box Sealer - Thixotropic, polysulfide sealant suitable for use in edge seal encapsulation. Easily applied with an extrusion gun or spatula.
CS 3201	AMS 7124 formerly Mil-S-7124 & Mil-S-7502	Sealing Compound - For aircraft Structures. Cures at room temperature to a flexible resilient rubber with excellent adhesion to metals. Available Class A and Class B various application times. Colors - Tan or Black
CS 3204	AMS-S-8802 formerly Mil-S-8802F Type II	Integral Fuel Tank Sealant Designed to withstand the attack of sulfur compounds present in jet fuels. Also used as pressurized cabin sealant.
CS 3204R	AMS-S-8802 formerly Mil-S-8802F Ty. II	Designed to withstand the attack of sulfur compounds present in jet fuels. Also used as pressurized cabin sealant. This is a rapid curing material
CS 3205	AMS-S-8802 TY.II	Dichromate cured polysulfide base compound. Type-1 AMS-S-8802 material will readily cure in the absence of humidity and therefore ideal for application in dry or desert climates. This material has a higher overall performance then the Type-2 material.
CS 3210	STM 40 107	Low Density Pressurized Cabin Sealant. The low specific gravity of 1.00 can result in substantial weight savings over conventional sealant.
CS 3213 Class A, B & C	MIL-PRF-81733	A corrosion inhibitive sealant for use in the sealing and coating of metal components on weapons and aircraft systems for protection against corrosion when subject to contact with water and/or weathering.
CS 3247	AMS 3333	Aircraft Windshield Sealant - Formulated for use when setting or repairing windshields and transparencies of glass, acrylic, or polycarbonate in composite or metal frames. No primer required.
CS 3330 Class A & B	AMS 3284 Type 1 formerly Mil-S-8784B	Access Door Sealant Used as a strippable fillet for integral fuel tanks and pressurized cabins, as a strippable fillet and as a gasket for removable parts. Available Class A or Class B, 1/2 hr. or 2 hrs.
CS 3330 C1 Class A & B	AMS 3284 Type 2	Corrosion Inhibitive Access Door Sealant - A non chromate Corrosion inhibiting sealant, used as an access door sealant for integral fuel tanks and pressurized cabins, as a strippable fillet and as a gasket for removable parts.
CS 3600	AMS 4383 formerly Mil-S-4383C (2)	Top Coat & Adhesive - Fuel tank, Buna N Type and high bond strength adhesive. Protective coating for synthetic rubber sealant and metal surfaces of integral fuel tanks. Protection against oils, fuels, fresh or salt water, corrosion and weathering.
CS 5306 CS 5310 CS 5311	AMS 3277 Type I formerly Mil-S-29574 AMS 3277 TY. II Formerly Mil-S-29574	Polythioether Quick Repair Fuel Sealant - Used on aircraft to yield weather tightness and fuel resistant seal. Able to cure at lower temperatures. Faster than standard sealant. CS 5310 Class B-2, CS 5306 Class A & Class B available 1/4 hr. & 1/2 hr. CS 5311 available Class A and Class B, 2 hr. 1/2 hr. and 1/4 hr.
CS 5447	Flamemaster Specification	Polythioether Windshield Sealant Fast Cure- High temperature sealant. Developed for the installation and sealing of windshield and transparencies on high-speed aircraft.

Aircraft Fuel Tank & Pressure Cabin Sealants:

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CS 5500 Class A & B	AMS 3276 formerly Mil-S-83430, FMS 1044, FMS 3055	High Temperature Fuel Tank & Fuselage - Used for sealing fuel tanks and on aircraft fuselage. Withstands higher temperatures than the standard AMS-S-8802 sealant. Available in Class A or Class B, with various application times.
CS 5500 C1	AMS 3265, FMS 3104 Formerly FMS 3055-1	Corrosion Inhibitive Sealant - Permapol P5 polymer, High temperature, sealant - Non chromated. Will be used to replace Mil-S-81733 in some applications.
CS 5530	Flamemaster Specification Test to AMS 3281	High Temperature Low Density Fuel & Fuselage - High temperature resistant Low Density Sealant. Fuel tank and fuselage sealant. Density 1.3
CS 5547	Flamemaster Specification	Aircraft Windshield Sealant - Room Temperature cure, high temperature sealant. Used when installing and sealing windshields and transparencies.

Special Sealants

Chem Seal Sealants	Specifications	Product Description and Use
CS 91	STM 40-601	Epoxy Sealant Compound Used for sealing and moisture proofing adhesive bonded structures. Available in three consistencies.
CS 2305	Meets Florida EPA requirements	Barrier Coating Used for tank farms, refineries, oil fields, marine tankers and cargo ships. Designed to protect steel surfaces against corrosion. Used as a pour in place liner to protect ground water from contamination.
CS 2725	DOD-C24176 TY. I & II	Epoxy Bonding Compound High adhesion to most construction materials. Used for repairing spalled and cracked areas in concrete, plaster, stucco, stone, slate, wood and tile. Also used as a mortar for ceramic tile, stone work, block and brick.
CS 2727	Air Force Spec	Flexible Epoxy Joint Sealer Used as concrete joint sealer. Excellent adhesion to concrete, wood and other materials without primer. Lox compatible.
CS 3202	MIL-S-11031B AA 59293	Optical Sealing Compound Used for bonding glass to metal in optical instruments or fire control instruments. Standard application time about 3 hours.
CS 3204 WT	MIS-31868C	Weld Through Sealant Conductive, Fuel resistant faying surface sealant for metal parts joined by spot welding.
CS 3810	Various Company Specs	Low Density Silicone Thermal Barrier Easily applied, heavy coating to be used in areas where thermal insulation is required. Excellent adhesion, high electrical insulation properties, short term high temperature exposure to 600 deg. F or more.
CS 7707	DPM 2389	Nylon Epoxy Coating Used as a coating on flexible, semi rigid and rigid substrates for protection against Skydrol, hydraulic fluids, fuels, oils, salt water and ozone.
CS 9903	MIL-P-47215, MMS-K328	Primer Used for bonding room temperature vulcanizing silicones to various substrates. Also, used to prime other rigid surfaces such as glass, epoxy, and polyester.
CS 9943	Lockheed Martin	Tack Free Accelerator Accelerates the cure on the surface of the sealant, forming a thin skin which quickly becomes tack free. Eliminates problems of adherence of metal chips, dust etc. from airborne contaminants.
CS 9960	Flamemaster Specification	Primer - Plastics Used to prime some surfaces for potting compounds. Also used to prime windshield surfaces prior to the application of sealant.