



S2S ARMED FORCES PRODUCTS

Tough on Rust!
Gentle on the Environment.®

Innovative **corrosion preventive solutions** that extend asset life cycles, improve operational readiness, and reduce total cost of ownership.



1-888-617-7558
www.ship-2-shore.com

2022

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CAPABILITY STATEMENT

Ship to Shore Inc. (S2S) offers a line of wet film anti-corrosion products specially formulated to extend the life of military assets. S2S Armed Forces products protect metal assets in the most corrosive environments. Non-toxic, low VOC's, and easy-to-use, S2S Armed Forces products can be applied over existing rust and paint and require minimal surface preparation.

Core Competencies

- Premium corrosion preventive solutions
- Unmatched speed to market
- Production flexibility and adaptability
- Collaborative R&D
 - CPC 500 - Redesigned to be zinc free for US Navy and still meet Mil-Spec 16173. Also intended for confined spaces such as voids and rudders
 - Anti-corrosion wipes for quick maintenance in the field
 - Anti-corrosion tape that is a one-step solution
 - 5 in 1 Gun Lube - an all in one solution for gun maintenance
 - Patent pending spray applicators for anchor chain and wire rope

NSN numbers:

- NSN: 8030-01-347-0971, Cage Code: 9BZB5, Product: CPC 500 5-gallon Pails
- NSN: 8030-01-396-5734, Cage Code: 9BZB5, Product: CPC 500 55-gallon Drums
- NSN Number 6850-20-004-9126 Part Number S2SIND205 Alternate references: 2000049126 Part Description "Inhibitor Corrosion. Lubricating Oil"
- NSN Number 8030-20-004-6395 Part Number PLID-BULK-20L Alternate reference: 200046395 Part Description "Corrosion Preventative Compound"

NAICS & FSC Codes:

NAICS:

- 325998** Inhibitors (e.g., corrosion, oxidation, polymerization) manufacturing
- 237120** Corrosion protection, underground pipeline and oil storage tank
- 811198** Automotive rustproofing and undercoating shops
- 324191** Rust arresting petroleum compounds made from refined petroleum

FSC:

- 8030** Preservative and Sealing Compounds

Existing Specs and Certifications

Canadian Ballast Tank MIL-SPEC 21006
US DoD MIL-PRF-16173E W/AMD 2



Company Snapshot

Government Business POC: Erik Bergvinson

1-888-617-7558

sales@ship-2-shore.com

35002 Cooper Rd,
Brookshire, TX 77423 USA

Product Differentiators

- S2S products are corrosion preventive solutions that inhibit rust, lubricate, penetrate beneath the surface of metal and have dielectric capabilities up to 40k volts that shuts down electrolysis.
- Up to 80% cost savings compared to traditional methods, such as sandblasting.
- Longest lasting – S2S HD products and tapes lasted over 1000 hours in a salt spray test with no corrosion. ASTM B-117.
- Longevity – S2S can protect metal from corrosion up to a decade with no re-application.
- S2S can be applied over existing rust and paint.
- S2S can be applied by untrained personnel. No NACE certified applicators required.
- Works on all types of ferrous and non-ferrous metals and prevents galvanic corrosion.
- Ultra-low VOC formulations.
- Meets California EPA Ocean Marine Quality Objectives.
- Non-flammable.
- S2S Gun Lube and Gun Wipes are superior at resisting carbon build-up.
- Produced in the same ISO 9001 certified facility in Canada for over 30 years.

Past Performances



Canadian Coast Guard

Years: 20+

Treatment areas: Anchor chain, voids, ballast tanks, rudder, wire rope, electronics and Mil-Spec'd into new builds.



Canadian Navy

Years: 20+

Treatment areas: Anchor chain, voids, ballast tanks, rudder, wire rope, and spec'd into new build Harry DeWolfe class offshore patrol vessel under Mil-Spec 21006 for ballast tanks and rudders.



US Navy

Years: 2+

MIL-PRF-16173E W/AMD 2, Class II Grades 2 and 3 approved in 2022. Product field trials across numerous ships and BMU-1 amphibious fleet.



DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY REFER TO

4123
Ser 05S/2022-204
10 May 22

SUBJECT: QUALIFICATION OF "CPC 500" UNDER MIL-PRF-16173E W/AMD 2

Based on satisfactory test results and acceptable Health Hazard Assessment and general capability survey, Ship-2-Shore Inc.'s "CPC 500" conforms to the requirements of class II, grades 2 and 3 under MIL-PRF-16173E w/AMD 2. Qualification is hereby granted to Ship-2-Shore Inc.'s "CPC 500" under MIL-PRF-16173E w/AMD 2. Qualified Products List QPL-16173 will be updated as shown below.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION	TEST OR QUALIFICATION REFERENCE	MANUFACTURER'S NAME AND ADDRESS
CLASS II, GRADE 2	CPC 500	HHA Letter 6260 Ser IH/0239 dated 7/27/21; Ship-2-Shore test report package dated 4/26/22	Ship-2-Shore Inc. 109-7337 North Fraser Way Burnaby, BC V5J 0G7 CAN CAGE: 9BZB5
CLASS II, GRADE 3	CPC 500	Same as above	Same as above

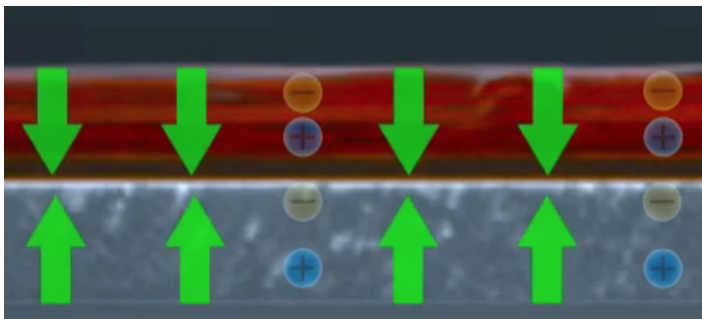
S2S How it works

S2S wet films are all from the same PLID family & work the same way. PLID is an acronym for...

Penetrant
Lubricant
Inhibit Rust
Dielectric

S2S products work by polar bonding to metal surfaces and forming an even, dripless, dielectric barrier that displaces water and oxygen.

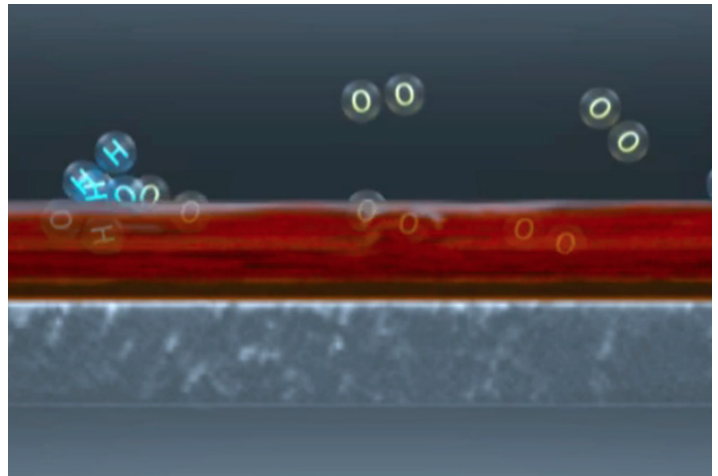
S2S products are self-healing lubricants and will remain wet. You cannot paint over them, as the paint will not bond properly to the metal. However, you can apply S2S products over paint.



S2S products polar bond to the metal forming an even, dripless, self healing film.

Applying S2S products is simple. Minimal surface preparation is required, and no training or certification is needed.

All S2S products can be applied to surfaces of various profiles without the removal of mill scale. They can also be applied to damp surfaces.



S2S PLID products displace oxygen and water to form a dielectric barrier protecting the metal from rust and corrosion.

There is no curing time for S2S products; protection starts as soon as the products are applied.

If the metal has a visible wet coating, the product is on and is working. It is either on and working or gone and no longer working.

The only way to remove S2S products, is to break the polar bond with a high pH detergent.

The difference between the products is their thickness; the thicker the product, the longer it will last and the more lubricating it will be.

Thinner products have better dielectric and penetration capabilities.

Thicker versions also have less coverage and cost more for an initial application but are much more economical over the long term.

All S2S products are non-toxic, non-hazardous and have ultra-low VOCs (less than 1%).

S2S products do not sustain burning.

SAILOR PUTTY



Recommended uses:

- Ideal for valves, flanges, pipes and fittings
- Can be cut to size and used to patch flat and irregular surfaces



SAILOR PUTTY

**EASY-TO-USE. PLIABLE WAXY
FINISH CONFORMS TO IRREGULAR
SHAPES. DOES NOT SAG.**

S2S Sailor Putty is an industrial tape infused with a rust inhibitor that meets MIL SPEC 16173. Unlike petrolatum tapes that require surface preparation and primer paste, S2S Sailor Putty is a simple, one-step application process.

RECOMMENDED USES

- Piping and pipelines
- Fittings, flanges and valves
- Pilings and pier structures
- Splash zones
- Structural steel and support bases
- Repair patch wall corners and other problem areas
- Combat corrosion under insulation (CUI)

ADVANTAGES

- Outlasts the leading competitor in ASTM B117-18 Salt Spray Testing
- Stops electrolysis from dissimilar metals
- Simple one-step application process
- Non-hazardous, non-toxic and eco-friendly
- Can be applied to wet surfaces
- Wide range of operating temperatures
- Polar bonds to all dissimilar metals
- Dielectric strength 3200 volts
- Can be used to patch problem areas
- Available in custom colors and widths

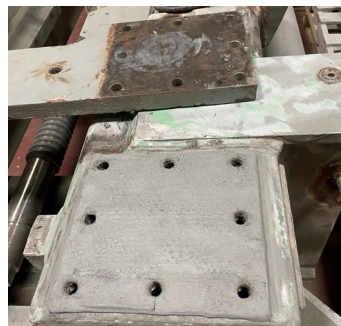


Before and After

Pipes on left: Uncoated. Pipes on right: Coated in Sailor Putty.



Applying Sailor Putty to fittings eliminates corrosion while protecting watertight integrity



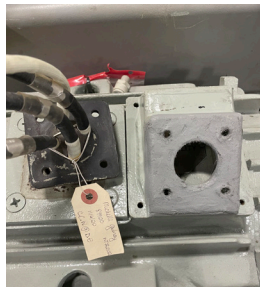
Gasket coated in Sailor Putty



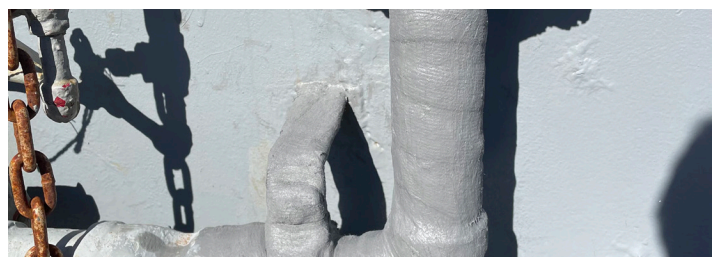
Sailor Putty protects base of bulkhead



Sailor Putty conforms to irregular shapes. Protects bolts on deck foundations.



Electrical motor connector gasket sealed and protected by Sailor Putty



Sailor Putty applied to piping on bulkhead



Sailor Putty on air intake vent



Sailor Putty applied to base of stanchion on ship deck



After 1000 hrs in salt spray chamber, the portion of metal pipe that was wrapped in Sailor Putty remains free of rust and corrosion.



Components on ship deck wrapped in black Sailor Putty.

APPLICATION

Application of **S2S Sailor Putty** requires no surface preparation or primer paste. Can be applied to painted, rusted and damp surfaces. A 30% overwrap is recommended but not required. Easily conforms to irregular shapes. Can be cut to size and applied as a patch. For more detailed instructions, please refer to the Application Guide.

REMOVAL

To remove **S2S Sailor Putty**, simply cut and peel. A film of S2S rust inhibitor will remain on the surface of the substrate. If desired, simply remove with a high pH detergent and water or use micellar water make-up remover and a non-scratch scouring pad.

For visual inspections, **S2S Sailor Putty** may be cut and peeled, and then re-sealed.

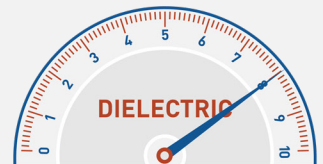
1 roll of 2"x 10' Sailor Putty will fully protect 8 kickpipes at a cost of less than \$12 per kickpipe.

CPC 500



Recommended uses:

- A 'go to' for general corrosion preventive maintenance
- Ideal for internal voids and rudders



CPC 500

Meets MIL SPEC 16173E Class II, Grades 2 & 3.

S2S CPC 500 is a high performance, long lasting rust inhibitor, tough enough to withstand the Navy's crushing deployment cycle yet gentle on the environment. It is an easy-to-use, reliable corrosion preventive compound that extends asset life cycles and improves operational readiness.

RECOMMENDED USES

- Retractable chocks
- deck machinery
- Boat davits
- Watertight door assemblies
- Refueling station receiver assemblies
- Fast track assemblies
- Anchor windlass controllers
- Life raft assemblies

ADVANTAGES

- 500+ hours without corrosion in salt spray chamber
- Rubber compatible to ASTM D471 standards
- Wide range of operating temperatures
- Dielectric strength 36,000 volts
- Can be applied to rusted, painted and damp surfaces
- Removes easily with high pH detergent
- Self-healing; stops rust on contact
- Non-hazardous and easy to use
- Ultra low VOCs; Zinc-Free
- Water discharge meets the requirements of the California Environmental Protection Agency
- Stops electrolysis due to dissimilar metals
- No sandblasting

Tough on Rust!
Gentle on the Environment.



Internal inspection of king post revealed corrosion occurring on unprotected bearings resulting in premature failure. Fogging CPC 500 into all internal cavities with an atomizing wand provides long term protection and stops further rust from developing.



Ship's force applying CPC 500 with Medmix applicator. S2S products are easy to apply and require no surface preparation.

GENERAL APPLICATION

Application of **S2S CPC 500** requires no surface preparation. Apply directly to epoxy coated, rusted and new metal surfaces. It is easily applied by sprayer, brush, roller, Medmix dispenser or float coat procedure. Provides a 1-4 mil clear coat. Area coverage per gallon of product is 200 sq/ ft. For further instructions, see the S2S Application Guide

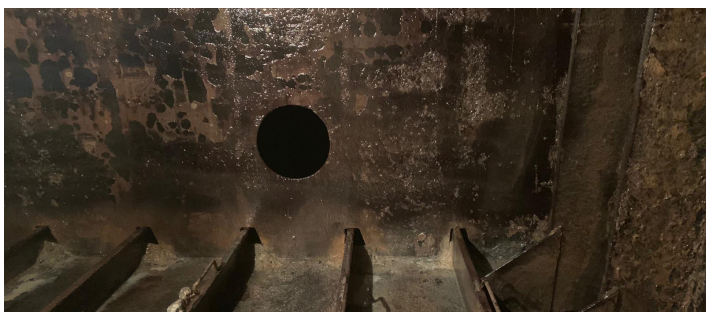
The float coat technique is a long lasting and cost effective solution for combating corrosion in tight & confined spaces.

Ideal rust inhibitor for void spaces:

- 1.MIL SPEC 16713E Class II, Grades 2 & 3.
- 2.Floats on surface of water, forming a continuous layer. Polar bonds to all metal surfaces on contact, creeps into cracks and pitting and displaces water and oxygen.
- 3.Surpassed the salt spray chamber test standards set by MIL SPEC 16173E with no corrosion, pitting, or metal loss sustained after exposures of more than 336 hours.
- 4.Water discharge meets the strict standards of the California Environmental Protection Agency Ocean Marine Water Quality Objectives.

REMOVAL

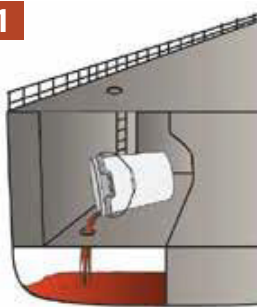
S2S CPC 500 does not typically need to be removed but if desired simply wash with a high pH detergent and water.



Internal void float coated in CPC 500

HOW TO FLOAT COAT

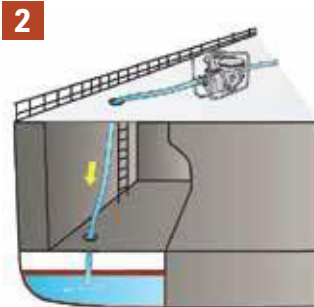
1



Measure & Pour S2S CPC 500

Calculate product requirement: Each gallon will coat 200 sq feet. Add 20% to final calculation. A pail coats 1000 sq feet; a drum coats 10,000 sq feet.

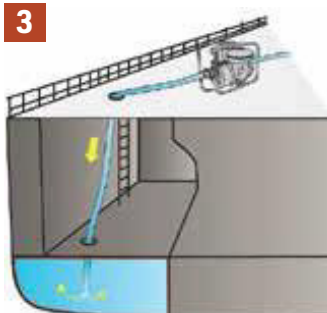
2



Gently & Slowly Add Water

Place pump hose at floor of tank and slowly fill with water. Note: S2S CPC 500 is lighter than water and will float on top and polar bond to the metal as it rises.

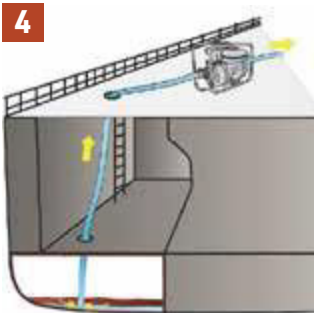
3



Let Mixture Sit

When the water mixture reaches the top, turn off the pump and let the water settle for 24 hours. This will allow the product to clearly separate from the water.

4



Gently & Slowly Pump Out Water

Slowly pump the water out from the bottom. Use a screen to filter out rust flakes. The last portion of the water should be recaptured so the product is not pumped into ocean.

INDUSTRIAL HD



Recommended uses:

- Made for extremely corrosive environments
- Provides a 13-20 mil coating



INDUSTRIAL HD

HEAVY DUTY RUST INHIBITOR PROVIDES LONG LASTING PROTECTION IN HIGHLY CORROSIVE ENVIRONMENTS.

S2S Industrial HD is Ship 2 Shore's thickest, longest lasting formula. After 1000 hours in the ASTM B117-18 salt spray test, S2S Industrial HD remained intact with fresh metal under the thick coating. Recommended for harsh environments or in areas where you simply want to coat an area and have it protected for decades.



After 1000 hours in a salt spray chamber. The metal under the Industrial HD coating is unaffected.

RECOMMENDED USES

- Bilges
- Mixing rooms
- Intake and out take
- Tank preservation
- Anchor chain and lockers
- Retractable chock
- General deck equipment

ADVANTAGES

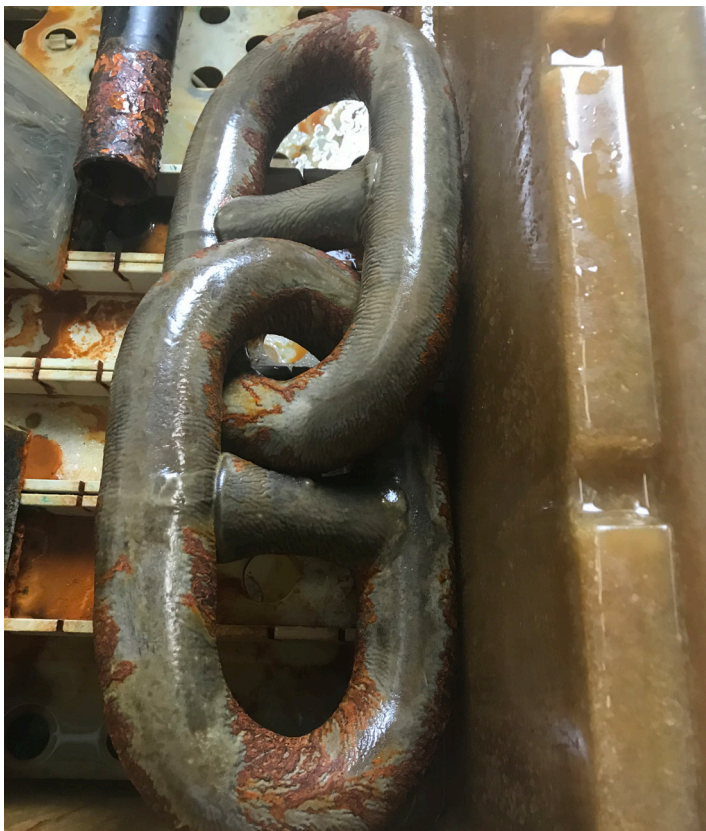
- 1000+ hours without corrosion in ASTM B117-18 Salt Spray Chamber Test
- Ultra low VOCs & Zinc-Free
- Dielectric strength 3,200 volts
- Stops electrolysis due to dissimilar metals
- Rubber compatible to ASTM D471 standards
- Wide range of operating temperatures
- Safe on batteries, electrical and electronics
- Can be applied over existing rust and paint
- Can be applied to damp surfaces
- Removes easily with high pH detergent
- Non-hazardous, non-toxic and eco-friendly



BEFORE
Sandblasted white metal



AFTER
6 months exposure on barge in the Gulf of Mexico



Anchor chain coated in Industrial HD after 1000 hrs in salt spray chamber.



Dissimilar metals after 1000 hrs in saltspray chamber. Upper sample coated in Industrial HD, lower sample uncoated.



Uncoated anchor chain after 1000 hrs in salt spray chamber.

APPLICATION

Application of **S2S INDUSTRIAL HD** is an easy one-step process and does not require special certification. No surface preparation or sandblasting is required before application. Apply directly to painted, rusted and damp surfaces. Provides a 13-20 mil top-coat. Area coverage per gallon of product is 100 sq/ft. For detailed instructions, please refer to the S2S Application Guide.

REMOVAL

S2S INDUSTRIAL HD bonds to metal for long lasting adhesion. It does not typically need to be removed but if desired simply wash with a high pH detergent and water.

PLID THIN FILM



Recommended uses:

- Ideal for wire ropes/cables and electrical/electronics
- Loosens seized parts



PLID THIN FILM

A POWERFUL ANTI-SEIZE AND PENETRANT WITH HIGH DIELECTRIC STRENGTH.

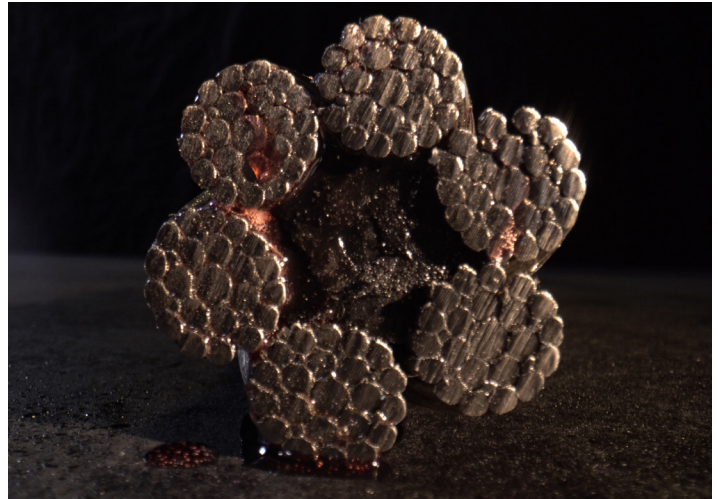
S2S PLID Thin Film polar bonds to all metal surfaces and penetrates deep, creeping into hard to reach areas to de-scale rust, unseize parts, and stop further rust from developing.

RECOMMENDED USES

1. **WIRE ROPE** - Excellent penetrant and anti-seize that brings new life to rusted wirerope. Creeps to the core and coats individual fibers, preventing rust long term.
2. **ELECTRICAL / ELECTRONICS** - High dielectric strength of over 40 kV, prevents electrolysis. Fluid thin film polar bonds to metal, like a magnet to steel, and creeps into cracks and crevices, providing an even protective coating from water and contaminants.
3. **ANTI-SEIZE** - Amazing anti-seize capabilities. Use on latches, hinges, seized bolts and other nuisance areas. Apply regularly to prevent rust and keep parts working the way they should.

ADVANTAGES

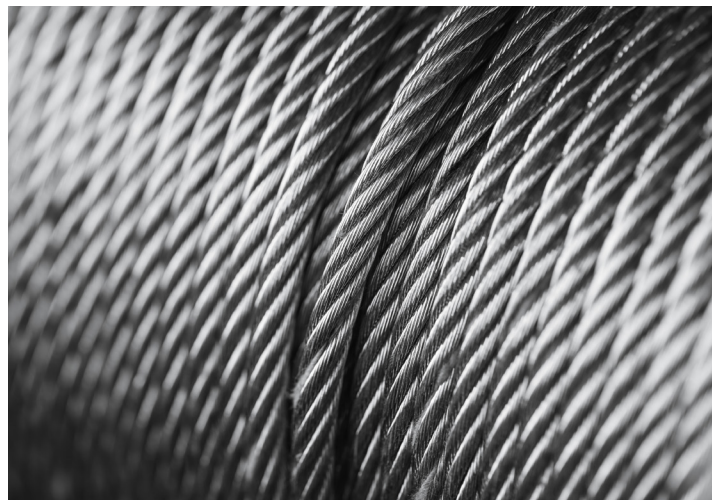
- Polar bonds to metal and adheres like a magnet to steel
- Prevents electrolysis due to dissimilar metals
- Displaces moisture
- Dielectric strength > 40 kV
- Penetrates existing rust and de-scales
- Forms a dynamic, self-healing, nonhardening and dripless film
- Resists splash, spray & submersion
- High pressure lubricant



Penetrates and lubricates to the core of wire ropes.



Penetrates existing rust and corrosion. Loosens seized bolts.



Protect wire rope with PLID Thin Film.

HIGH PERFORMANCE PROTECTION FROM WATER & CORROSIVE CONTAMINANTS.

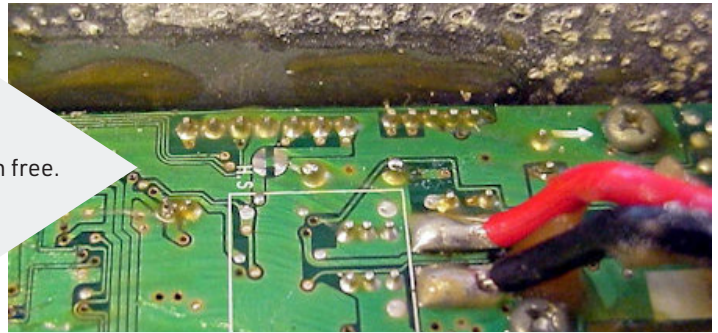
S2S PLID Thin Film has a dielectric strength of 40,020 volts. It penetrates deep and shuts down electrolysis making it ideal protection for integrated & printed circuit boards, conductors, connectors, contacts, electrical connections, electric motors, wires, battery terminals and switches.



Forms a dynamic, self-healing, non-hardening and dripless film. Acts as a liquid de-scaler and polar bonds to metal, creeping into cracks and crevices.

STOP RUST & CORROSION

Circuit board from a Canadian Coast Guard waterproof radio that leaked while submerged in the arctic. Circuit board and areas coated with Di-Electric Spray are corrosion free. Everywhere else is heavily corroded. More than a decade keeping Canadian Navy electronics corrosion free.



Apply directly to batteries to stop corrosion

ADVANCED FLUID FILM TECHNOLOGY PROTECTS ELECTRONICS FROM RUST AND CORROSION

ELECTRONICS - AVOID REPLACEMENT PARTS & SERVICE COSTS

Corrosion in electronic components is insidious and cannot be readily detected. When corrosion failure occurs, it is often dismissed as just a failure and the part or component is replaced. The most common reasons for corrosion-related failure is atmospheric humidity and environmental contaminants.



Ideal protection for battery terminals

APPLICATION

Application of **S2S PLID Thin Film** requires no surface preparation. It is easily applied by spray, brush or roller. Apply it directly to circuit boards, battery terminals and electronics to halt electrolysis and prevent corrosion. Provides a 1-4 mil clear coat. Area coverage per gallon of product is 200 sq/ ft. For additional information, please refer to the S2S Application Guide.

REMOVAL

S2S PLID Thin Film bonds to metal for long lasting adhesion. It does not typically need to be removed but if desired simply wash with a high pH detergent and water.

APPLICATION GUIDE

Personal Protective Equipment



Eye/Face Protection:

Wear safety glasses with side shields. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection:

Wear protective gloves. For occasional contact wear standard disposable nitrile or Viton gloves. For extended exposure wear Neoprene gloves.

Skin and Body Protection:

Wear protective clothing.

Respiratory Protection:

Not normally required. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4, with organic vapor cartridge, or self-contained breathing apparatus must be used.

Application Equipment



Medmix Dispenser

- For best results, apply when temperatures are between 5°C and 37°C (41°F and 99°F).



Airless Sprayer

- Airless Sprayer must be able to flow at least 1 gallon per minute.
- Airless tips can range from a 315 – 521, based on temperature.
- For best results, apply when temperatures are between 5°C and 37°C (41°F and 99°F).
- In colder temperatures, band heaters with insulated lines must be used.
- Pump pressure should never go over 60 or 3000 psi in the lines.



Pressure Pot Sprayer

(Recommended for spraying S2S HD)

- Must have a working pressure of 20-40 psi.
- When temperatures are between 21°C to 37°C (70°F to 99°F) use 20 psi in up flow or bottom feed pot, with a 15 m (50 ft) hose. Spray guns with D or E setups or 6466 with air caps that match with same air atomizing air pressure will result in a uniform spray pattern.
- When temperatures are between 10°C to 21°C (50°F to 70°F), use 40 psi.
- When temperatures are below 10°C (50°F) bottom feed pot will need to be used. For best results, never use more than 60 psi or air bubbles will result.
- In temperatures below 5°C (41°F), heaters will need to be used in order to obtain adequate flow.

Preparation

- Before spraying, remove all debris, dirt, moisture, soap and degreaser.
- S2S products can be applied over existing rust and paint.

Spraying

- In order to minimize overspray, always have the nozzle of the gun at a 90° angle.
- To reach desired thickness, make 2 – 3 passes.

Clean up

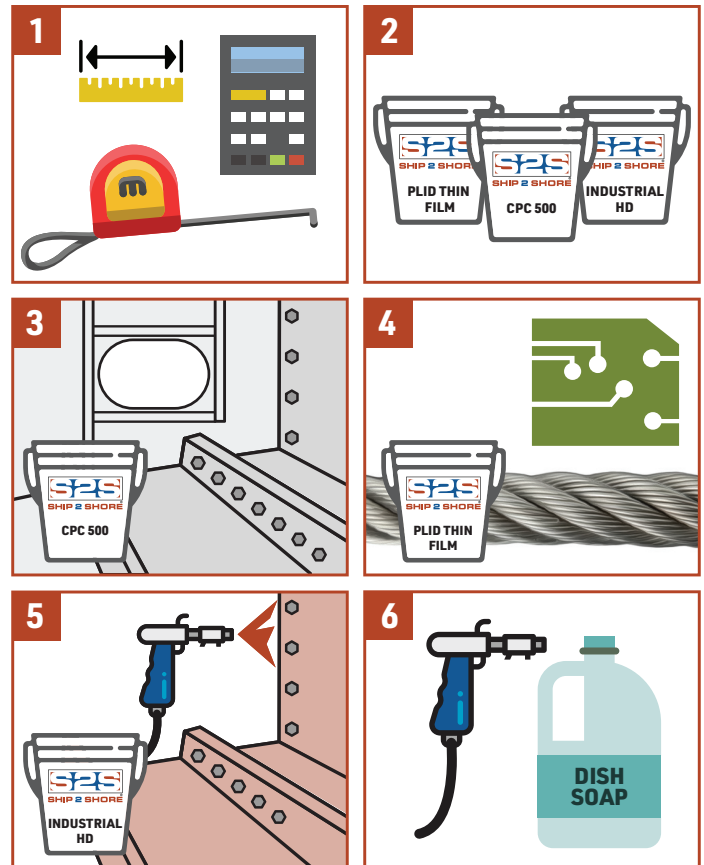
- Pour all remaining S2S product back into container and cover.
- Use warm water and soap to thoroughly clean spray equipment.
- If spray equipment will be used for another application of S2S products, a thorough cleaning of the lines is not necessary. However, if spray equipment will be going into storage, clean thoroughly and allow soapy water to remain in lines in order to avoid clogging.

Removal of S2S Wet Films

- Use high PH soap to break the polar bond.
- Pressure washer without use of High PH soap will not remove the products.

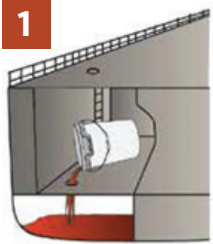
General Application Procedure

- For deep penetration, use PLID Thin Film on all cracks, welds and bolts before general application.
- Choose CPC 500 or Industrial HD for overall application, depending on the environment.
- If there is heavy scaling, apply PLID Thin Film liberally over the scales and after 2 weeks they should fall off, then re-apply over the area with CPC 500 or Industrial HD.
- Apply a thicker coat over known problem areas and bottom quarter of interior hull walls.
- Extremely old, porous metal may require a thicker than normal coat due to the tendency of S2S products to penetrate deep into the metal.



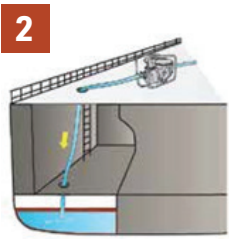
S2S Float Coat Procedure

- Use CPC 500
- The Float Coat procedure will yield 100% coverage of all contacted surfaces in one operation.
- The unit being coated can be damp on the inside before application of CPC 500.



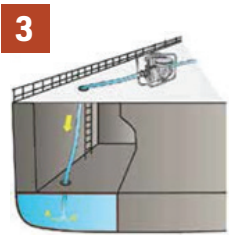
Measure & pour CPC 500

Calculate product requirement: Each gallon will coat 200 sq feet. Add 20% to final calculation. A pail coats 1000 sq feet; a drum coats 10,000 sq feet.



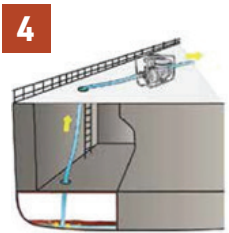
Gently & slowly pump in water

Place pump hose at floor of tank and slowly fill with water. Note: CPC 500 is lighter than water and will float on top and polar bond to the metal as it rises.



Fill void area to the top of space

When the water and CPC 500 reach the top, turn off the pump and let the water settle for 24 hours. This will allow the product to clearly separate from the water.



Gently & slowly pump water out

Slowly pump the water out from the bottom. Use a screen to filter out rust flakes. The last portion of discharge should be captured and disposed of according to local, municipal and federal regulations.

Procedure for units with heavy rust scale

- Proceed as above but allow more time and volume of CPC 500 to soak into the rust scale. A second up & down cycle may be prudent.
- **Note:** Over time, rust scale will delaminate and begin falling off, which may cause clogging of pump screens etc.
- **Note:** The CPC 500 that is left sitting in the bottom of the unit will seep and cover bare spots that may develop as minor rust scales detach and fall off. In this manner, selfhealing will continuously occur.
- CPC 500 may be used as a liquid descaler. Apply as above and check periodically.

Bolts, Flanges, Pipes and Pipe Lines

- Use Industrial HD or Sailor Putty.
- Flange painting spec. If the flanges are to be painted, a porous paint should be used so S2S product can penetrate through to the surface of the metal.
- Application procedure is the same for painted or unpainted flanges.

For Application of Industrial HD

- Apply a heavy coat of product to the face of the flanges to be mated.
- Apply in the flange bolt holes and on the flange around the holes where the bolt head and washers will seat.
- Coat all bolts (under the heads as well) and washers (if any) and install through holes in flanges.
- Coat any washers, going under the nuts and install nuts.
- Once completed as above, it is good practice to apply a coat of Industrial HD to the entire exterior of the flange assembly.
- **Note:** Torque specifications will need to be adjusted for lubricated bolts.
- S2S products work well as an assembly lube on O-rings and others requiring an assembly lube.
- **Note:** If the piping has a CP system installed, a check to be sure the current is passing through the joint is necessary; if it is

not passing through, a jumper may need to be installed.

- If the entire pipeline is coated with S2S, there is no need for cathodic protection for the exterior of the piping.

For Application of Sailor Putty

- Sailor Putty anti-corrosion tape is infused with CPC 500 and Industrial HD.
- Sailor Putty can be used alone or, in harsher environments, with an undercoating of CPC 500.
- No major surface preparation is required. Simply remove grease or dirt. No need to sandblast. Sailor Putty can be applied over existing rust and paint.
- Wrap the Sailor Putty over pipe, ensuring it is in constant contact with surface.
- Use a 30% overlap.
- If pipe will be buried underground, apply an extra outer protective layer (sold separately).
- Before wrapping flanges, see application procedures for bolts and flanges, then treat and wrap.

Application for Anchor Chains

- Use Industrial HD
- Industrial HD may be applied by spraying, brushing or dunking. The product will creep into hard-to-reach areas between links.
- Application methods :
 - Use a crane to hoist chain above a tank and slowly lower the chain as the links are coated.
 - Lay chain out on a plastic sheet covering the ground. Brush or spray one side of chain, then flip to coat opposite side.
 - Spray a heavy, even coat while the chain is retracting into the chain locker or while the chain is sitting in the chain locker.
 - Spray a heavy, even coat between the hawes pipe and the windlass system as the chain is being retracted.

Application for Electrical and Electronics

- Use PLID Thin Film
- Apply PLID Thin Film directly to circuit boards.
- Ensure power is off before applying to wires and breakers.
- Prevents electrical failures caused by corrosion.
- If untreated electronics are accidentally submerged in water, keep in water until able to treat with PLID Thin Film, then remove electronics from water and spray with PLID Thin Film until thoroughly coated. This will displace moisture and salt, keeping the item rust free.

Application for Wire Ropes

- Use PLID Thin Film
- PLID Thin Film penetrates deep, thoroughly coating the inner fibers and keeping the rope lubricated and flexible.
- PLID Thin Film may be applied by spraying, brushing or dunking.
- Product may be sprayed on during wire rope retraction.
- In very harsh environments, a top coating of Industrial HD may be applied.
- When not in use or during the off season, wire ropes and cables may be left soaking in a tank so they are well-protected and ready to use when needed.
- S2S products do not need to be removed like traditional grease.


S2S Product Coverage Ratios

Thickness of Coat (in Mils)	1 - 4 Mils	13 - 20 Mils
Coverage in Sq Ft. @ Per Gallon	2 Mils 200 sq ft	16 Mils 100 sq ft
Products	CPC 500	Industrial HD

ORDERING GUIDE

	Product Name	Product #	Quantity
	CPC 500	17519	1000L / 264 gal
	CPC 500	17515	205L / 55 gal
	CPC 500	17517	20L / 5 gal
	Industrial HD	17533	1000L / 263 gal
	Industrial HD	17555	205L / 55 gal
	Industrial HD	17556	20L / 5 gal
	PLID Thin Film	17534	1000L / 264 gal
	PLID Thin Film	17538	205L / 55 gal
	PLID Thin Film	17537	20L / 5 gal
	PLID Thin Film aerosol	17558	180g / 6.3oz (Box of 12)
	Tool Lubricant	17518	15 mL / 0.53 fl oz
	Sailor Wipes	17554	Box of 10
	Sailor Wipes	88797	12x(Box of 10)
	Sailor Putty - CPC 500 PLID Wrap	17559	Grey 50 mm x 3 m / 2" x10' (Single roll)
	Sailor Putty - CPC 500 PLID Wrap	17560	Grey 50 mm x 3 m / 2" x10' (Box of 75 rolls)

ORDERING GUIDE

	Product Name	Product #	Quantity
	Sailor Putty - CPC 500 PLID Wrap	17564	Grey 100 mm x 3 m / 4"x10' (Single roll)
	Sailor Putty - CPC 500 PLID Wrap	17565	Grey 100 mm x 3 m / 4"x10' (Box of 45 rolls)
	Sailor Putty - CPC 500 PLID Wrap	17566	Grey 150 mm x 3 m / 6"x 10' (Single roll)
	Sailor Putty - CPC 500 PLID Wrap	17567	Grey 150 mm x 3 m / 6" x 10' (Box of 30 rolls)
	Sailor Putty - CPC 500 PLID Wrap	17573	Grey 200 mm x 3 m / 8" x 10' (Single roll)
	Sailor Putty - CPC 500 PLID Wrap	17574	Grey 200 mm x 3 m / 8" x 10' (Box of 18 rolls)
	Sailor Putty - CPC 500 PLID Wrap	17568	White 50 mm x 3 m / 2" x 10' (Single roll)
	Sailor Putty - CPC 500 PLID Wrap	17569	White 50 mm x 3 m / 2" x 10' (Box of 75 rolls)
	Sailor Putty - CPC 500 PLID Wrap	17580	Black 50 mm x 3 m / 2" x 10' (Single roll)
	Sailor Putty - CPC 500 PLID Wrap	17581	Black 50 mm x 3 m / 2" x 10' (Box of 75)
	Medmix DM 1500-01 Spray Coating Dispenser	DM1500-01	1
	Medmix FHB 01-15-05 Flex Hose Brush short handle	153698	1
	CPC 500	17547	750x750 ml Medmix cartridges
	Industrial HD	17557	750x750 ml Medmix cartridges



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