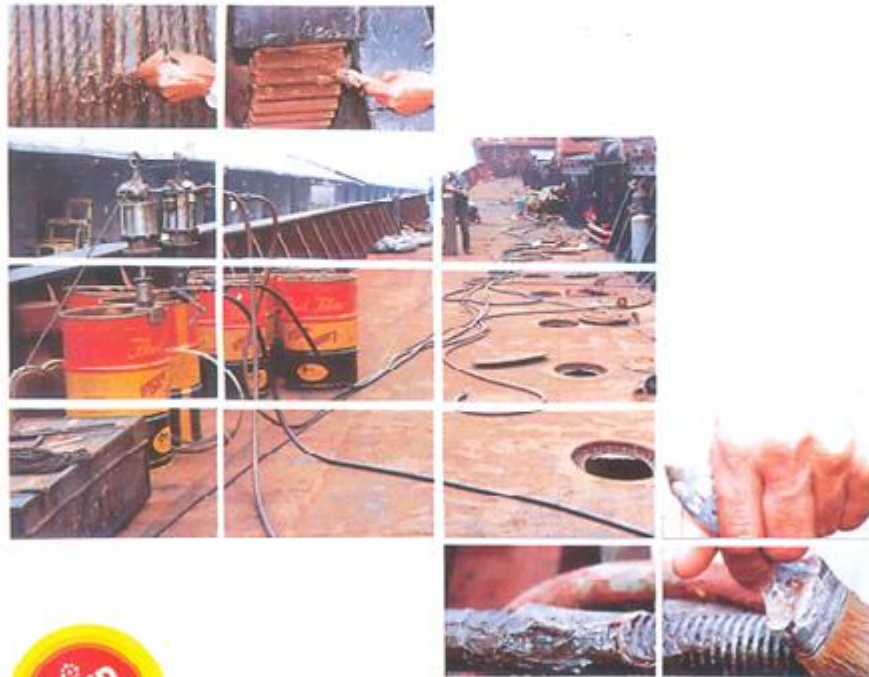




FLUID FILM®

SPECIAL

COATING SYSTEMS



EUREKA CHEMICAL COMPANY

Fluid Film Rust and Corrosion Preventive has a long and dependable history of stopping rust under the most corrosive conditions on earth.

Forty years ago the Eureka Chemical Company developed a solution to this type of metal deterioration through laboratory research and field testing. This was the Fluid Film line of rust and corrosion preventives, penetrants and lubricants which have since been employed continuously by the United States Navy, the world-wide shipping industry, offshore exploration and heavy equipment operators. Fluid Film is made from specially processed lanolin, penetrants and corrosion control constituents in a non-volatile vehicle. These properties provide a highly effective and economical product which will last for years without drying, flaking or cracking.

Fluid Film's spreading action seals metallic surfaces against oxidation and inhibits corrosion while its absorbing properties hold existing rust particles in suspension.

Fluid Film also provides exceptional penetration and lubrication for all metal parts or surfaces where sliding, rubbing, hinging, bearing or threading action is involved.

Here are some selected uses:

- Maintain plant beams and structural integrity
- Parts Storage
- Materials Storage
- Assembly Protection
- Non-Insulated Pipe Exteriors
- Moving and Handling Equipment
- Transportation Equipment
- Cranes
- Metal Forming Equipment
- Machine Tools
- Machine-, Measuring- and Hand Tools
- Electrical Shafts
- Casings
- Cabinets
- Pumps

Fluid Film is the most effective, economical and long lasting corrosion control product you will ever buy. Compare it with anything you may now be using. No matter where your business is.

Examples of FLUID FILM usage as an economical easily applied protection against corrosion on exposed deck equipment.



PRACTICAL ADVANTAGES (Marine)

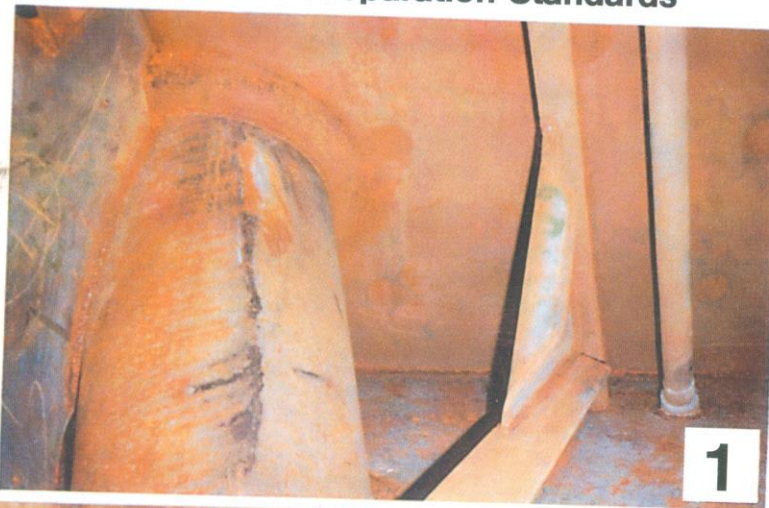
1. Requires minimum surface preparation.
2. Penetrates existing rust, displaces water, forming a durable film.
3. Adheres to and gives full protection to wet or dry surfaces.
4. Does not dry out, harden or crack.
5. Resists water washing yet can easily be removed when required.
6. Due to its physical properties the coating is selfhealing in case of mechanical scoring or similar damage.
7. Because the coating remains soft it is highly flexible and readily compensates for metal expansion.
8. Low cost long term preservation of steel (new and repair) in ballast tanks, drydocks, cofferdams, barges, chain lockers, and any metal surface subjected to corrosive marine atmospheres.



SELECTION OF FLUID FILM PROTECTION SYSTEMS

	FLUID FILM GEL B	FLUID FILM LIQUID AR	FLUID FILM LIQUID A	FLUID FILM FG USDA H-1 RATED
	for protection against corrosion in ballast tanks, void spaces, etc. on new and old constructions, anti-corrosive coating for all metals in marine and industrial atmospheres	for protection against corrosion in heavily rusted ballast tanks, void areas on ships, drilling rigs and drydocks, chain-lockers, anchor chains, dock-equipment, etc.	flotation coating for heavily rusted ballast tanks and preservation of metal parts in storage	food grade protective coating and lubricant
	one-component, solvent-free, lanolin based, soft gel coating applied in one coat on dry, tightly adhering rust and tightly adhering coatings. Film thickness for long term preservation 1000-1500 μm . Used also to preserve machinery and parts for indefinite periods in protected storage and for long term protection for all metals subjected to extreme weathering. Recommended uses for corrosion protection and lubrication for wire rope dressing. Meets the requirements of MIL-C-23050. (HT) High Temp. Form to 75 °C.	one-component, solvent-free lanolin based, high thixotropic soft coating, applied in one coat on dry or wet heavily rusted but tightly adhering rust and old adhering coatings. Applied at a thickness of 500-800 μm it will give a correspondingly shorter protection than FLUID FILM Gel B. It produces a waxy film after 1-2 years exposure, when not permanently immersed. Recommended uses for preservation of metal parts in protected and unprotected storage, the same as FLUID FILM Gel B, where a thinner coat and shorter life expectancy is desired.	it is formulated to develop a thick coating up to 1500 μm , for long term protection, when applied by flotation. It has a strong affinity for ferrous metals and will displace water and penetrates existing rust scales. May be applied by spray, roller or brush to a thickness of 25-50 μm for preservation of metal parts in protected shed storage, the same as FLUID FILM Gel B and Liquid AR with a protection life expectancy related to the thickness. Conforms to MIL-Spec R-21006.	a soft, clear coating and lubricant manufactured as authorized by the United States Department of Agriculture (USDA) for applications in Federally inspected meat and poultry plants. It is acceptable in such establishments where incidental food contact may occur, and can be used as a lubricant or anti-rust film on equipment and machine parts in locations in which there is exposure of the lubricated parts to edible products.
	FLUID FILM WRN-EP	FLUID FILM WRO-EP	FLUID FILM WRL & WRL 1	FLUID FILM AEROSOL SPRAY CAN
	for corrosion protection and lubrication of standing and running rigging. Extreme pressure properties provide excellent lubrication for both wire rope and in open gear applications	for corrosion protection and lubrication of standing and running rigging. It is also used for drag lines, bridge cables and general wire rope maintenance	for use in pressure applicators such as Dynalube, or as slushing compound for corrosion protection and lubrication of standing and running rigging	to be used to prevent corrosion on polished, machined, rough or rusty surfaces
	the product is delivered ready for use, can be applied on a solid rust surface and cannot be washed off. The conservation stays flexible in the temperature range of -45 °C up to +200 °C. It is a self lubricating conservation product for cables, wire ropes, block sheaves and all other kinds of unprotected running and fixed elements. Very high temperature resistance of this product permits use on hot steel surfaces, such as steamlines on open decks, where applicable.	the product has been specially designed to the requirements of the Navy and conforms to the US Navy Mil-G-18458 B (SH) Specification. Lower gel strength of this material makes it a recommended replacement for FLUID FILM WRN-EP where a thinner protective coat, but better penetration properties are required. Its components include additives against extreme pressure and for improvement of the gliding factor. High tackiness minimizes throw-off on high speed running rigging. The conservation stays flexible in the temperature range of -60 °C up to 70 °C. It displaces moisture and can be applied on rusty surfaces.	the penetration of the product is so good that it infuses the rust, covers the individual wire of each strand with a protecting coat, penetrates and infuses the core. Specially designed for rusty wire ropes and cables subsequently sealed with FLUID FILM WRN-EP or WRO-EP. WRL can be applied at temperatures down to 10 °C. For temperatures between 10 °C and -5 °C the use of WRL-1 is recommended.	FLUID FILM in handy spray cans is quickly applied to tools, machine parts, less accessible areas of mechanical equipment, chains, wire ropes, screw joints, overlap joints etc. High wetting effect combined with excellent penetrating properties guarantees a highly active anticorrosive film. Due to selected additives, friction between surfaces that are in sliding contact with one another is substantially reduced. Eases maintenance and protection of wetted surfaces as water is rapidly displaced, FLUID FILM evenly spreading over the metal instantly.

Pictorial Surface Preparation Standards

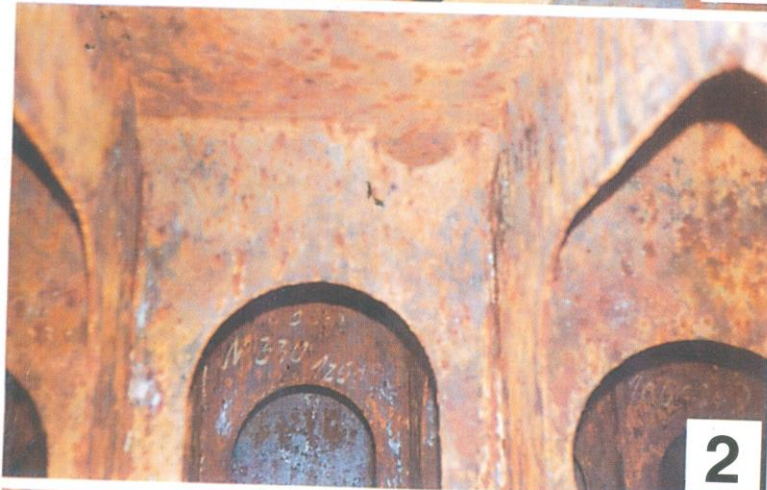


BALLAST TANK CORROSION PROTECTION

Phot. 1.

Surfaces prepared for
FLUID FILM Gel B
(new construction).

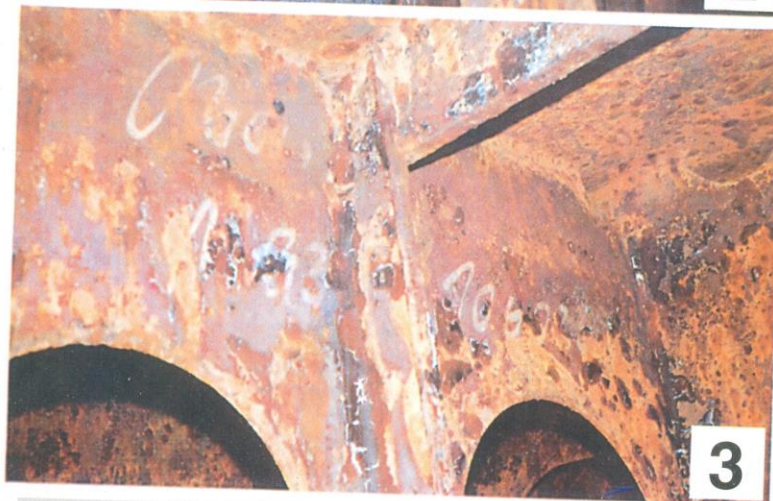
Steel surface which has begun to rust,
and from which the mill scale has begun
to flake, has been cleaned using hand
wirebrushing.



Phot. 2.

Surfaces prepared for:
FLUID FILM Gel B
FLUID FILM Liquid AR
FLUID FILM Liquid A

Steel surface on IN-Service ship covered
with stratified rust, loose and non-adher-
ent rust, loose paint and rust tubercles,
has been cleaned using high pressure
washing and hand scraping.



Phot. 3.

Surfaces prepared for:
FLUID FILM Liquid A,
coating by flotation, for corrosion
protection and/or descaling.

Steel surface as described on Phot.
2, cleaned only by high pressure
washing.

EUREKA CHEMICAL COMPANY U.S.A

Exclusive Distributors in India

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