

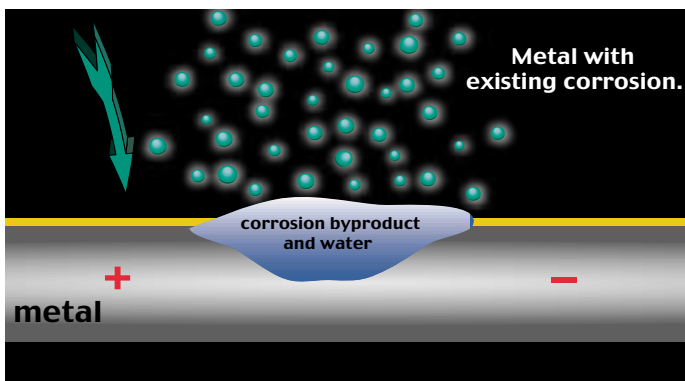
# CORROSION BLOCK®

# Kills Corrosion on Contact

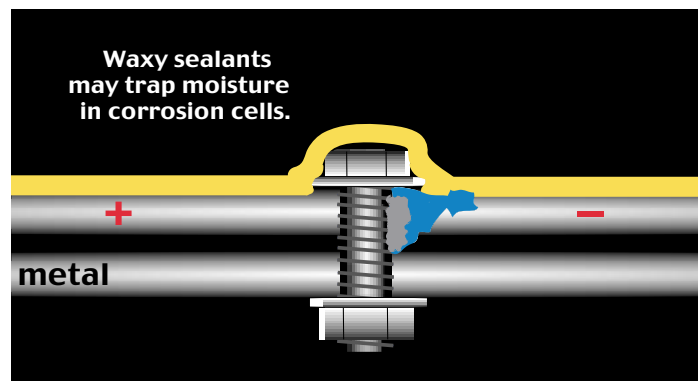
*It's no secret that equipment downtime, repair and replacement are expensive. It is also no secret that regularly scheduled preventive maintenance is cheaper than the repair or replacement of expensive equipment. In these days of dwindling maintenance budgets and closer scrutiny of operating costs and procedures, you can show a real savings through preventive control of corrosion.*

## WHAT IS CORROSION?

Corrosion is a natural process which converts most metals by either a chemical, or electrochemical reaction into a stable metallic compound such as an oxide hydroxide, or sulfate. The rate at which metals corrode depends greatly on the environment they are exposed to and the amount of preventive maintenance, they receive.. Metals that are exposed to marine atmospheres, moisture, and tropical temperatures have the highest rate of corrosion.



When moisture is present for prolonged periods of time, corrosion cells are formed on the metal surface. This is a typical corrosion cell in cross-section. These corrosion cells act as miniature batteries, feeding the transfer of ions as long as oxygen-providing moisture is present. If you remove the water from a battery it cannot function. Likewise, If you remove the moisture from the corrosion cell, the corrosion process will stop. Most anti-corrosion products on the market



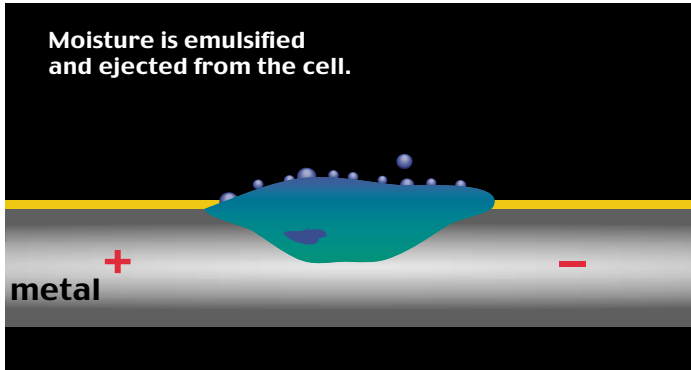
today use compounds containing wax, resin, tar, or teflon-based material to seal the surface of the metal. While these films seal the surface against further moisture, they can't separate the moisture that already exists on and below the surface. They may actually seal the moisture in, allowing it to continue acting as a medium for corrosion. The fact that they have sealed the metal against contact with the atmosphere, does not stop the corrosion process.

## CORROSION BLOCK

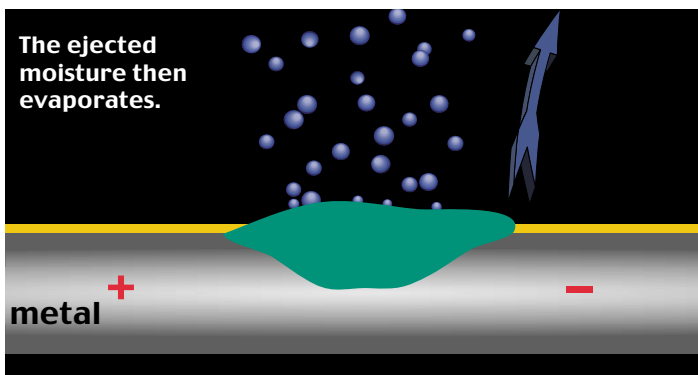
Corrosion Block anti-corrosion compound is a state-of-the-art material developed exclusively for the marine industry. Corrosion Block has three superior features:

1. It is a superior anti-corrosion compound.
  - It kills corrosion in progress.
  - It prevents new corrosion cells from forming for 12-18 months.
2. It is an excellent penetrant.
3. It is an excellent light lubricant.

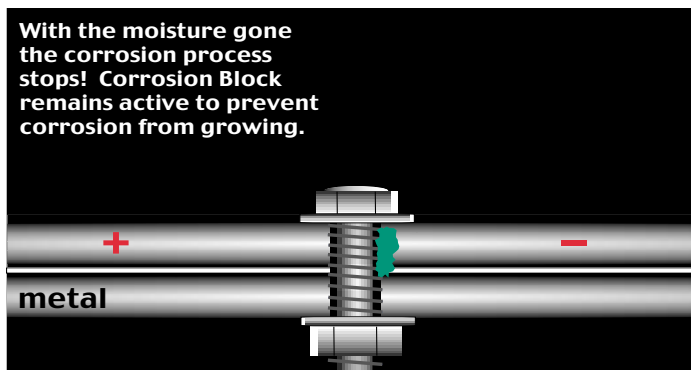
Corrosion Block can be described as a clean, clear, ultra-thin fluid which leaves a non-greasy atmospheric barrier to protect the base metal on interior surfaces. Corrosion Block leaves no gummy residue because it contains no wax, resin, tar, asphalt, silicone or teflon. It can be sprayed, or wiped on with a damp rag,



Again, here is a typical corrosion cell with its corrosion by-product visible on the surface, The Corrosion Block will actively penetrate the corrosion on the surface of the metal and, in the process, isolate it electrically from the base metal.



Once the Corrosion Block has penetrated into the corrosion cell it displaces and/or emulsifies and encapsulates any moisture present in the cell and bringing it to the surface where it evaporates.



The Corrosion Block then fills the cell, creating a 40 KV dielectric barrier to prevent further moisture contact with the base metal for up to 18 months.

Applying Corrosion Block is easy. Simply spray it on the area to be protected until it appears to be shiny. You don't need to saturate the entire surface as you do with some other products, Corrosion Block has a strong capillary action and will spread into the smallest crevices, leaving an ultra-thin film.

Corrosion Block has the ability to remove moisture, combined with its excellent penetrating and strong dielectric properties, have brought a number of electronics "back from the dead" with just one application. The Corrosion Block removes the moisture from the corrosion byproduct, then isolates the corrosion byproduct from the electrical circuit, Corrosion Block can be used in many different electrical and electronic applications without fear of damage. And it won't harm any plastics or painted surfaces and is actually good for rubber, keeping it from cracking and drying out.

We recommend you apply Corrosion Block during your regularly scheduled maintenance and monitor the length of protection your equipment receives. Exactly how long Corrosion Block will protect depends on a number of factors. Because Corrosion Block forms such an ultra-thin film, surfaces which are subjected to frequent rubbing or washing will have a relatively short re-application cycle. However, on protected internal surfaces, one application of Corrosion Block will provide protection for 12 to 18 months before the active ingredients are consumed.

Finally, Corrosion Block is virtually non-toxic and cleans up easily from hands, clothes and painted surfaces with soap and water.

The bottom line is this:

***Using Corrosion Block as the primary component in your corrosion control program will significantly reduce your replacement, repair and labor expenses.***

**CORROSION BLOCK**

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