



HOLDTIGHT

www.holdtight.com



Salt Remover Flash Rust Preventer



Recommended by Leading Suppliers



HoldTight® 102 salt remover / flash rust preventer is a one step additive that prevents flash rusting of wet abrasive and water-blasted iron and steel surfaces and of dry-blasted surfaces in a pressurized wash down. It effectively removes all salts, as well as other contaminants such as oil, grease, and blast residues. HoldTight® 102 is approved by most major coatings suppliers for use with most coatings. A number of studies of the active ingredients in HoldTight® 102 and of HoldTight® 102 concluded that the material may be safely disposed of in sanitary sewers, rivers, lakes, and other bodies of water without endangering aquatic life or otherwise compromising the environment.

HOW HOLDTIGHT® 102 WORKS

All water has a certain amount of surface tension. The harder the water, the higher the surface tension. This surface tension reduces the ability of the water to reach and clean those areas of a surface that are not fully exposed—the peaks and valleys that constitute “surface profile.” As a result, contaminants remain hidden and their presence may lead to premature coating failure.

When added to water, HoldTight® 102 reduces the surface tension of water to maximize its inherent cleaning power.

This elimination of the surface tension allows the now “supercharged” water to do what water does best: WASH away all the contaminants.

The key to using HoldTight® 102 effectively is to dilute it properly AND to pressure wash the surface with the 102-treated water. The more pressure, the better, but the water volume need not be greater than 1 gallon per minute – a common flow rate for pressure washers. Higher pressure improves performance; higher volume does not help that much. Most off-the-shelf pressure washers can easily generate 1500 p.s.i. of pressure with a flow rate of 1 gallon per minute. Industrial washers can go much higher, 5,000 p.s.i. or above; and they are more efficient. Heating the water will improve performance, but is not essential.

Why are pressure and flow important? Simply because 102 is a washing agent - a surfactant like soap. However, UNLIKE soap, it leaves no residue if allowed to evaporate with the water that contains it. Forcing the water with the 102 into the profile of the surface results in more thorough cleaning. When the surface is dry, the 102 is GONE. There is nothing to remove. You are ready to apply your primer or coating or you can wait several days without seeing flash rust.

FEATURES

- Provides corrosion-free surface for 24 to 72 hours or more depending on ambient air quality.
- Removes all surface salts and contaminants
- Water soluble
- Application ratios: 50:1 to 250:1
- Leaves no residue
- Phosphate and acid free
- Biodegradable
- Non-flammable
- Non-toxic

AND HERE'S THE BONUS

Clean surfaces simply don't rust as fast. HoldTight® 102 prevents flash rust not by forming a film to separate the surface from air and humidity, but by leaving an exceptionally clean surface. Contaminants of any kind – visible or invisible – suck moisture out of the air, like sponges. 102 removes these moisture-attracting contaminants. Because 102 evaporates with the water in which it has been dissolved, it does not leave a residue as do some salt removers and virtually all conventional “inhibitors.” It does not solve one problem by creating another.



FPSO

NO SALT. NO RUST. ONE STEP.

BENEFITS

- Allows delay in coating pressure washed/blasted steel
- Clean surface prevents corrosion, assures coating adhesion
- Wide application in all types of washing/blasting processes
- Economical to use
- Does not interfere with subsequent coatings
- Non-polluting, safe-to-use and odor-free
- Environmentally friendly
- Safe for workplace
- Safe for applicators

WHEN TO USE HOLDTIGHT® 102

- After dry abrasive blasting by washing down for a much cleaner surface than blowing off with air
- After ultra high water blasting to wash away residue
- During wet abrasive blasting
- During vapor and slurry blasting
- To remove built up road salts from steel and cement surfaces
- As an additive to prevent flash rusting during hydro-testing heat exchangers and boilers

REMOVING SOLUBLE SALTS

Independent tests confirm that HoldTight® 102 removes ALL salts (and other contaminants). It then prevents flash rusting, a simple and obvious indication that the surface is clean and ready for coating. Unlike other salt removal products, HoldTight® 102 works with ALL field test methods, both ion specific tests and all total salt tests. If working to ISO or IMO standards, use the Bresle test or equivalent. For ASTM or SSPC, use these tests, or potassium ferricyanide paper, or the Kitigawa tube method. The New York City Department of Transportation (NYCDoT) researchers concluded that HoldTight® 102 will effectively achieve zero or undetectable salt levels.

“102” DOES CONCRETE TOO

HoldTight® 102 cleans concrete as well as it does steel, aluminum, fiberglass, and composites. Added to water and applied under pressure, it will remove both visible (oil, grease, dirt, etc.) and non-visible contaminants (chlorides, phosphates, sulfates, nitrates, etc.) from virtually any surface. HoldTight® 102 is also used in industrial applications to remove contaminants from bridges, water tanks, refineries and equipment as well as other steel and concrete structures.



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COATING MANUFACTURERS WHO APPROVE THE USE OF HOLDTIGHT® 102 WITH VARIOUS TYPES OF COATINGS

AMERON	WASSER
CARBOLINE	VALSPAR
HEMPEL	DAMPNEY
PPG	JOTUN
SHERWIN WILLIAMS	ADVANCED POLYMERS
SIGMA	PLASITE
TNEMEC	POLIBRID

This list is not intended to be complete or definitive. It is representative only. Consult your coating supplier and/or HoldTight® Solutions Inc., for manufacturers or coatings not on this list.

REPRESENTATIVE USERS LIST

SHELL OIL AND REFINING	LOCKHEED MARTIN
EXXONMOBIL	NASA
DOW CHEMICAL	AMERICAN RAIL CAR
BP OFFSHORE	CITY OF HOUSTON
PHILLIPS 66 REFINING	NEW YORK PORT AUTHORITY
CHEVRON PHILLIPS	US PARK SERVICE



Manufactured by:
HoldTight Solutions Inc.
p.o. box: 27907 Houston, TX USA 77227.7907
phone: 800.319.8802 / 713.266.9339
fax: 800.728.8861 / 713.266.1022
email: info@holdtight.com