Denso®

HOLDTIGHT® 102

No Salts, No Flash Rust, No Residue

With over 85 years of providing Denso® corrosion prevention coating solutions to satisfied customers all over the world we have learnt from experience that to enable our coatings to give the maximum service life, effective surface preparation is vital. HoldTight® 102 offers superior surface cleaning. It is an additive that effectively removes all salts, including chlorides, sulphates, phosphates, nitrates, etc., and other contaminants, including oil, grease, and blast residues. It holds the prepared surface in pristine condition for up to 48 hours and often longer, preventing flash rusting of wet abrasive and water blasted iron and steel surfaces and of dry-blasted surfaces in a pressurised wash down. Denso highly recommend HoldTight 102, it is the most widely used, reliable, time-proven and field tested salt remover and flash rust preventer on the market. Denso regularly recommends HoldTight 102 for use with their pipeline and liquid coating systems.

Removing Soluble Salts with HoldTight 102

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. If working to ISO standards use the Bresle test. For IMO use Bresle; for ASTM or SSPC use this test or potassium ferricyanide paper or the Kitagawa tube method. The New York City Department of Transportation (NYCDoT) researchers concluded that HoldTight 102 will effectively achieve zero or undetectable salt levels.

Above: View inside a tank where HoldTight 102 was applied to a panel. Note the flash rust that has appeared on the untreated area. The treated HoldTight 102 area will remain rust free for up to 48 hours or longer after application.

Key Benefits

- Extends coating window on coating pressure washed/blasted steel and enhances coating adhesion
- Economical to use
- Wide application range in washing/blasting processes
- Does not interfere with subsequent coatings
- Environmentally friendly

Key Features

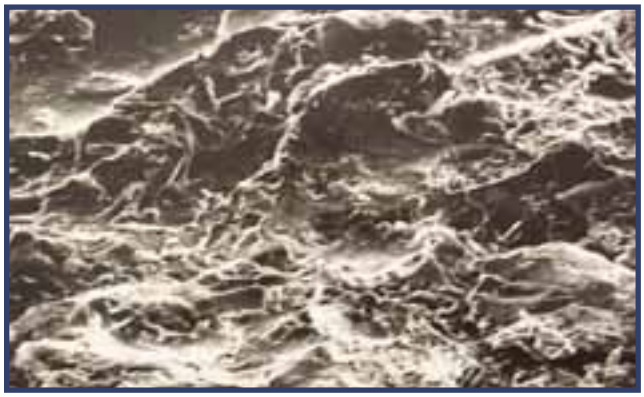
- Provides corrosion-free surface for up to 48 hours, often longer
- Removes all surface salts
- Water soluble
- Leaves no residue
- Phosphate and acid free
- Biodegradable
- Non-flammable

A Pre-Coating Treatment Recommended to Enhance the Service Life of Liquid Coating Systems

A Closer Look at HoldTight 102...

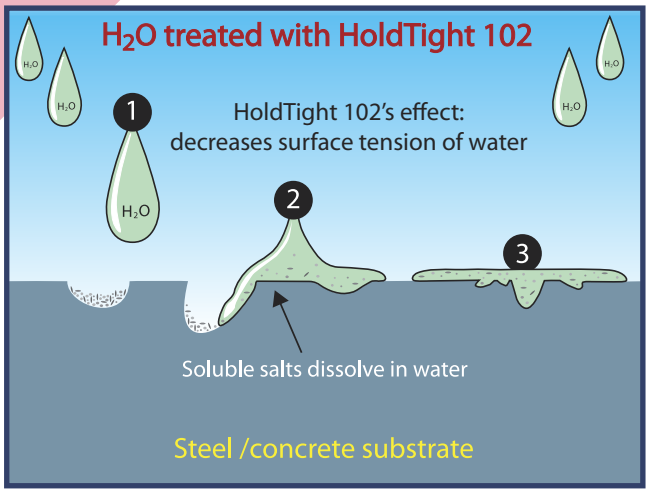
500 x magnification of a steel plate dry blasted

Surface profile showing contaminants and shattered abrasive particles impregnated into the metal profile at the magnification level.



500 x magnification of a steel plate wet-abrasive blasted with HoldTight 102

Surface showing no contaminants after using HoldTight 102, even at this magnification level.



What Surfaces Can HoldTight 102 clean?

HoldTight 102 cleans concrete as well as steel, aluminium, fiberglass, and composites leaving no contaminants. It is as effective on concrete as it is on metal surfaces for cleaning.

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.

Above: Foremost area of Tank is treated with HoldTight 102. Flash rust is clearly visible either side of where the HoldTight was applied.

Applying HoldTight 102

One of the most common misconceptions about HoldTight 102 is that it can be sprayed on or otherwise applied like a coating. This is not the case. The key to using 102 effectively is to dilute it properly and to pressure wash the surface with the water + 102 fluid. The more pressure the better but the water volume need not be greater than 1 US gallon (approx. 3.79 litres) per minute, a common flow rate for pressure washers.

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