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HoldTight®102

remove salts | prevent flash rust | degrease

Technical Bulletin

BLASTING: wet abrasive, water, ultra high pressure and dry

Open a 48 to 72+ hour rust-free window between blasting and coating.

- **HoldTight® 102** can be used with wet abrasive, water blasting, UHP, or after dry blasting.
- Usually allows at least a **48-hour rust-free window** – even up to **4 or 5 days** or more in many cases – before coating.
- Leaves **no film or residue** – unlike many inhibitors, **does not** create a moisture barrier to make a “protective coating between the surface and the new coating.”
- **Will not interfere with primer or coating adhesion.** In fact, its cleaning properties actually **enhance long term performance.**
- **HoldTight® 102** has been **tested and approved by most major coating manufacturers.**

HoldTight®102 works as a rust preventer because it removes soluble salts and other contaminants.

- Acts in part as a surfactant: it reduces the surface tension of water so it cleans better.
- Eliminates surface salts and other contaminants that help cause rust to form.
- **HoldTight® 102** entirely evaporates from the substrate along with the moisture left on the surface by the blasting operation.

HoldTight®102 and dry blasting

- When a dry blasted surface flash rusts immediately, high levels of contaminants are probably present.
- **Dramatically reduce or eliminate the contaminants and open a 48+ hour window** by washing the surface with clean water treated with **HoldTight®102**, diluted 50 to one, at 500 psi

- (34 bar) at 1-3 gpm (3.8-11.4 lpm) or greater.
- However, contaminant levels on dry blasted surfaces may be so high – in part because dry blasting concentrates contaminants – that 1500+ psi wash down or even re-blasting may be necessary.
- Whenever very high levels of contaminants are present, the better practice is to **use wet abrasive or water blasting** with **HoldTight®102** in the first place, rather than dry blasting.

A test or early warning of extreme contamination or bad water:

A surface flash rusts after the use of **HoldTight®102** only if one of two conditions are present (either of which is potentially “bad news” for coating performance):

- EITHER, the substrate is extremely contaminated and a higher pressure wash down or re-blast is necessary. (It should not be coated in any case until the contaminants are substantially reduced or eliminated.)
- OR, the blast water or abrasive used was highly contaminated (e.g., hard water) or acidic. Use of industrial (or “plant”) water, well water, or river water may cause this condition. Avoid them.

Therefore, if **HoldTight®102** fails, STOP what you are doing, and call us immediately. We can usually come up with a cost effective solution. (And since bad water may also damage equipment, especially UHP equipment, call your equipment supplier too.)