

# HoldTight7102 salt remover / degreaser / flash rust preventer

## Frequently Asked Questions: mix ratios

1. Q. What's the mix ratio (water to **HoldTight7102**) for a 48-120 hour flash-free window and elimination of most or all soluble salts? (Use potable water: Very hard water or water high in chlorides is not recommended: consult HoldTight Solutions Technical staff if water quality is a problem.)

A. For **wet or water abrasive blasting** (water injection, slurry, Awater ring≡)

**Blast cycle.** Start with **250:1**. If flash occurs, decrease water portion (increase **HoldTight7102** portion) in 50:1 or 100:1 increments until there is no flash (e.g., 150:1; 100:1; 50:1) NOTE: If blast water is not under pressure or is not accelerated through a venturi nozzle, start with **100:1**. This is typically the case with an external water ring apparatus. For **small jobs** in which changing ratios is impractical or for jobs in which soluble salt contamination and moisture in the air is known to be quite high, start with 100:1 or 50:1.

**Wash down (rinse) cycle.** Begin as soon as practical after the blast. Start with **50:1** with wash down water of at least **500 p.s.i.** and water flow rate of at least 2 g.p.m. If wash down water is **2000+ p.s.i.** at 2+ g.p.m, start with **100:1**. Then increase water portion (or decrease **HoldTight7102**) until flash appears or appears before you wish it to (i.e., until your blast window is unsatisfactory).

For **UHP water jetting** (water with little or no abrasive at 25,000+ p.s.i.)

**Blast cycle.** (optional) (applicable if, and only if, pump manufacturer approves.) Start with **250:1**. If flash occurs, decrease water portion (increase **HoldTight7102** portion) until there is no flash

**Wash down (rinse) cycle.** Begin as soon as practical after the blast. If **HoldTight7102** was used in blast cycle, start with **200:1**. If **HoldTight7102** was **not used** in blast cycle, start with **100:1**. (In either case, wash down water pressure should be at least 500 p.s.i. with a water flow rate of at least 2 g.p.m.)

If the surface is **highly contaminated** with chlorides and/or the water is **very hard** and/or the surface is **deeply pitted or profiled** and/or **weather conditions are marginal**, it may be necessary to decrease water and increase **HoldTight7102** from the recommended start ratios to **100:1 or 50:1**, respectively.

For **dry blasting** (wash down only, of course)

**Start with 50:1.** Wash down pressure should be **no less than 500 p.s.i.** at 2+ g.p.m. **1,500+ p.s.i. is highly recommended.** Then increase water portion (or decrease **HoldTight7102**) until flash appears or appears before you wish it to (i.e., until your blast window is unsatisfactory.)

2. Q. What's the mix ratio (water to **HoldTight7102**) for **hydro-testing**?

A. For **hydro-testing** steel vessels

Start with 100:1 mix ratio, it may be necessary to decrease water and increase **HoldTight7102** from the recommended start ratios to **50:1** if the steel is slightly rusted or not very clean. It may be possible to re-use the **102** hydro-test solution several times, depending on the level of contamination in the tested vessel.