



Leading Edge

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Diesel Tank Refurbishment for Long-Term Protection

A steel tank, integral to the operations of a facility, began showing signs of deterioration. Its coating was cracking and failing, and the color had dulled significantly due to continuous exposure to the elements. Concerned about the integrity and longevity of their tank, the facility sought a durable solution that would not only restore the tank's appearance but also reinforce its resistance to the harsh outdoor environment.



USI began by abrasive blasting the entire surface of the tank. This crucial step ensured the removal of the old, failing coating and created the proper anchor profile for the new protective system. **Viscotag ViscoSealant** was applied to the tank chime area, where the steel tank met the concrete base. Viscotag ViscoSealant is known for its exceptional adhesion properties and elasticity, providing a strong, waterproof seal.

The application of Viscotag ViscoSealant was followed by the installation of **Viscotag EZ Wrap** over the entire tank chime area. This wrap formed a robust protective seal around the tank chime, safeguarding the area against water ingress and corrosion.

To complete the refurbishment, USI applied two coats of **Resichem 555** in white to the entire surface of the tank. This product was specifically chosen for its high UV resistance, protecting the tank from the damaging effects of sunlight, and its superior corrosion resistance properties.

The comprehensive solution implemented by USI effectively restored the tank's protective coatings, addressing both aesthetic concerns and structural integrity issues. The dual-coat approach using **Resichem 555** in white not only enhanced the tank's appearance with a fresh, bright color but also provided a reliable defense against future UV damage and corrosion. As a result of USI's meticulous work, the tank is well-equipped to withstand the rigors of the outdoor environment, ensuring its continued service and reliability for years to come.



DATES TO REMEMBER

June 7
**Unconventional Solutions Annual
Client Appreciation Golf Outing - Ohio**
(Miamisburg, OH)

June 14
**Unconventional Solutions Annual
Client Appreciation Golf Outing -
Michigan** (Milford, MI)

October 14-16
AMPP Eastern Conference 2024
(Grand Rapids, MI)



**Resimac Resimetal
108 Pipe Repair
Tape** is a high performance rapid curing moisture activated repair bandage specifically developed for the repair of leaking pipes. **108 Pipe Repair Tape** is ideal for systems

operating up to 218psi with a maximum operating temperature of 120C. The tape is manufactured from woven polyester fabric which is impregnated with a polyurethane resin that is activated by water. The pipe repair bandage can be applied to leaking pipes and be fully cured within 30 minutes.



**Duromar DF-4301
Novolac Floor Coating** is 100% solids, zero VOC Novolac floor coating with outstanding chemical resistance to acids, bases and solvents. It is used in primarily secondary containment areas and floors subject

to chemical exposure. It can be used in USDA facilities bases on FSIS directive 11,000.4 (Rev. 1), November 24, 1995.

Outstanding chemical resistance to acids, bases and solvents. Can be applied by brush, roller or spray equipment. Best used in secondary containment areas and floor subject to chemical splashes.



**Resimac Resimetal
105 Aqua Stick –
Single Component
Rapid Underwater
Repair** Resimac Resimetal 105 Aqua Stick is a two component repair material in stick

form which cures underwater after mixing. It is a metal repair adhesive which develops high mechanical strength in a short period of time.

It is a rapid curing single component repair putty in stick form which cures rapidly underwater. The putty once mixed can be used to bond wood, metal, plastic and ceramics. This small stick is perfect to carry in any tool kit and helps cold weld metal underwater.



Unconventional Solutions, Inc.
Partnering with Your Industry to Repair - Protect - Upgrade

MI HQ - 28056 Oakland Oaks Ct., Wixom, MI 48393
HQ: 248-735-7000 | OH: 937-704-4220 | IN: 219-733-0543
office@USIgroups.com | www.USIGroups.com

