



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

Leading Edge

CASE STUDY: Salt Tank Repair - Emergency Repair



This tank was leaking so the plant called USI to solve their issue. Since we have helped this paper mill in the past with emergency leaks, they wanted someone that could help them in a pinch.


SUBSTRATE
Concrete

PRODUCTS USED
Resichem Damp Seal 505
Resichem 501 CRSG

UNCONVENTIONAL SOLUTION

To prepare the leaking tank for repair, they took the tank down from service and drained it. We water jetted the concrete to clean and get an ideal profile.

After the tank was dried, we sealed the concrete with Resichem Damp Seal 505. USI coated the tank with Resichem 501 CRSG, a lining, in two different colors to make sure there were no pinholes showing.

A two-color system is recommended for this tank because of the abrasive environment. Once the first coat's color is showing through, the client will schedule the tank to be recoated to continue to protect it from abrasion. 



Resichem Damp Seal 505 is a low viscosity solvent free epoxy primer designed to seal and consolidate green or wet concrete and cementitious surfaces. The coating penetrates deep into the concrete surfaces to ensure high mechanical adhesion. 505 Damp Seal can be used to seal newly laid concrete and can be overcoated by any of the Resimac Chemical and Corrosion Protection coatings.

www.usigroups.com/product/resichem-damp-seal-505/



Resichem 501 CRSG is a high build solvent-free epoxy coating designed for the long term protection of steel and concrete structures against corrosion and chemical attack. It can be applied to mechanical, hydro-blasted or abrasive blasted cleaned surfaces and cures at temperatures as low as 5°C. It can be applied to metallic surfaces suffering from condensation or are damp. It is ideal for protection against corrosion and low concentration chemical immersion.

Available in colors:
Dark Gray, Light Gray, Blue

www.usigroups.com/product/resichem-501-crs-3-4l/

Fiberglass Tank Repair with Resimac



This was a 30 year old fiberglass tank that had many leaks and would not hold pressure. We specified ResiMetal 106XF for the holes and to line the entire bottom and ResiMetal 209 EIP PU three feet up the side to assure integrity. We also provide the value added service of technical supervision. **Call us to find an approved USI installer - 248.735.7000!**

Keeping You in the Know Since 2002



USI Dates to Remember

OPEN July 3

Closed - July 4. Have a Great Holiday!!

July 28

2023 SEMPPE 33rd Annual Golf Outing (Milford, MI)

July 26 / 27

OGA Planning Meeting / OGA Golf Outing

October 2-4

AMPP Eastern Conference (Savannah, GA)

WATCH INSTRUCTION VIDEO ON YOUTUBE

<https://youtu.be/6MCOXhHmyNk>



Peat Sorb Demo with
Waste Oil and Diesel Fuel

resimac Ltd.

Resimac Resimetal 101 Metal Repair Paste

A two component solvent free epoxy metal repair compound designed to fill surface erosion & corrosion on metallic surfaces. The material can be applied to mechanically or abrasive blast cleaned surfaces and once cured will retain high mechanical adhesion to metallic substrates. The thixotropic nature of the product means it can be applied at thicknesses up to 25mm without sagging and can be machined to fine tolerances.



- Repairing worn shafts in place and on a lathe
- Repairing cracked blocks
- Shimming material between metal components
- Flange, Keyway and Spline repair
- Bonds to ferrous, non-ferrous alloys and fiberglass
- Scored Hydraulic Rams
- Bearing housing repairs

Call us @ 248.735.7000 for a FREE demonstration.

<https://www.usigroups.com/product/resimac-resimetal-101-metal-repair-paste/>



NOW AVAILABLE PURCHASE ORDER (PO) for online orders

Call us at 248.735.7000 or email Customer Service at cs@usigroups.com to set up an online account.

Contact the USI team today! We have an Unconventional Solution for YOU!

The USI Team offers:

Technical Support • Training • Troubleshooting
HOTSHOT & Same Day Local Deliveries available for orders placed by 12 p.m. EASTERN TIME

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Fast, Friendly Service & Shipping

