



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

Leading Edge

Leak in a rubberlining of a steel tank - NaOCL Rubber Tank Repair

This wastewater treatment facility client called Unconventional Solutions because they had a leak in a rubber lining of a steel tank that had been replaced two years ago. He was looking for a system that would last more than two years.

SUBSTRATE

Steel with rubber lining

PRODUCTS USED


Resimetal 101 Metal Repair Paste

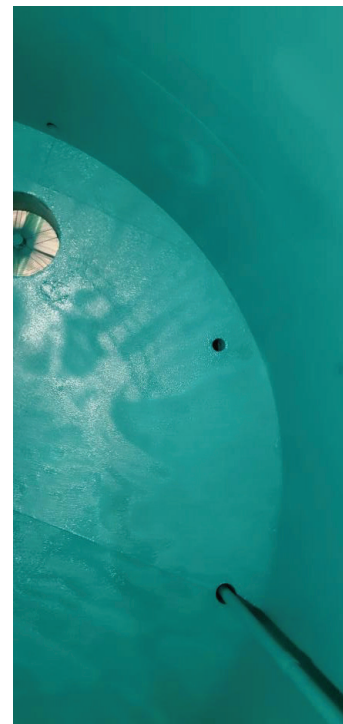
3M Scotchkote 323+ 900ml Repair Cartridges

UNCONVENTIONAL SOLUTION

The owner power washed the tank to remove the caustic elements. To remove the existing rubber lining a 40,000-psi water jet was required.

After removing the rubber lining the tank was abrasive blasted to a SC-SPC -10 or Nace 2. Since the lining had been leaking for a while, the metal had extensive metal loss and the metal was rebuilt with **Resimetal 101 Metal Repair Paste**. Then one coat of **3M™ Scotchkote™ 323+ 900ml Repair Cartridges** was applied at 30 mils wet on wet.

After the application was completed and 72 hours had passed, a holiday spark test was performed. The owner is now having Unconventional Solutions reline two more tanks at the same facility. 



Resimac Resimetal 101 Metal Repair Paste is a two component solvent free epoxy metal repair compound. The product has been designed for use on a wide range of metallic surfaces and once cured is readily machine able.

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



3M™ Scotchkote™ 323+ 900ml Repair Cartridges is the latest innovation in Liquid Epoxy Coatings from 3M. This two-part system features improved adhesion, flexibility and impact resistance to help prevent corrosion on steel pipes and other metal surfaces. Scotchkote 323+ DOES NOT CONTAIN NONYLPHENOL. VOC free and REACH compliant

- Advanced Adhesion
- Resistant to damage from acids and bases in pH range 2 – 14
- Increased Flexibility and strong Impact Resistance
- Volume Mix Ratio 2A:1B
- Formulated without nonylphenol
- Can be applied to a substrate as cold as 41°F/5°C

<https://www.usigroups.com/product/3m-schotchkote-liquid-epoxy-coating-323plus/>

Keeping You in the Know Since 2002



USI Dates to Remember

September 21

2023 SEMPPEs Ford Field Stadium Meeting
Dinner and Facility tour (Spaces limited)

October 19

2023 SEMPPEs Ford Field Stadium Meeting
SEMPPEs Meeting at Bakers of Milford (Milford, MI)

Have a project you want us to look at?

Call us at (248) 735-7000 and we will get one of local technical consultants to take a look at it.



When you partner with USI, you get:

- 24/7 Customer support for your project or repair
- Product support specialists
- NACE Certified coating inspectors
- Same-day shipping on most products

PRODUCT HIGHLIGHT

Resichem Damp Seal 505

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.



TYPICAL APPLICATIONS:

- Seal concrete surfaces
- Floors
- Ramps
- Steps
- Use with glass fibre fabrics for reinforcement

Call us @ 248.735.7000 for a FREE demonstration.

<https://www.usigroups.com/product/resichem-damp-seal-505/>



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 2 p.m. EASTERN TIME

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Fast, Friendly Service & Shipping

