



Leading Edge

Protecting Your Business for a More Sustainable Future

HOTSHOT & SAME DAY
Local Deliveries available for orders
placed by 2 p.m. EASTERN TIME

JANUARY 2025 | WWW.USIGROUPS.COM

CASE STUDY:

Steel mill was losing 50 to 70 gallons per minute along the pipeline

A steel mill was losing 50 to 70 gallons/minute on a 10-inch chemical water treatment pipe that was going through a 3-foot-thick concrete wall. This leak was costing the plant almost \$4,000 a day in chemical treatment costs.

They attempted to use a mechanical clamp without success because the pipe went from 10-inch reducing to 8-inch pipe and they were not able to get a tight seal and continued to lose water at a very high rate. They called Unconventional Solutions with an emergency PO to bring in \$4000 of composite repair pipe wraps and stick epoxy. They shut the water line down for one hour to make a successful repair, making the Area Manager and Maintenance planner the hero as this integrated steel mill.

AN UNCONVENTIONAL SOLUTION:

You can use **RESIMETAL 103** in conjunction with **RESIMETAL 108 Pipe Repair Tape** to seal the leak in the pipe and bring the water loss to a stop. To accomplish this, you will have to shut off the supply to the water pipeline, solvent clean the area with **USI Universal Cleaner**, use a wire brush, angle grinder or a **MBX Bristle Blaster** to create a surface profile and solvent clean the area again to remove any dust or debris present. Then you will mix the RESIMETAL 103 according to the TDS and work the 103 into where the leaks were occurring. To get around irregular shapes you can also roll out the product and work all the way around the pipe, flange, or bend to create a uniform shape. Then you can apply RESIMETAL 108 water activated pipe wrap around the 103 to achieve more structural strength and to hold more PSI. See the TDS for specifics on different PSI.

Similar repairs have left clients very pleased with our ability to deliver the product as well as train their employees to make the repairs in house. They continue to use RESIMETAL 103 and RESIMETAL 108 Pipe Repair Tape on numerous other repairs and keep all sizes in stock to make permanent and emergency repairs. Fast forward 12 years later, Warren Miller said the repair was still in service back in 2018, and since he retired might still be in service today.

Want to cut down on your repair expenses and boost your company's efficiency? Reach out to a representative from Unconventional Solutions today!



Resimac Resimetal 103 Metal Repair Stick

Resimac Resimetal 103 Metal Repair Stick is a two component repair material in stick form which cures rapidly at room temperature after mixing. It is a metal repair adhesive which

develops high mechanical strength in a short period of time.

- No fire risk
- Ability to fill deep pits & holes
- Ability to restore original dimensions
- Eliminates bi-metallic corrosion
- Long term asset repair & protection
- Tolerant of less than ideal surface preparation
- Eradicate the need for hotworks/ welding
- Reduced Health & Safety risk



Resimac Resimetal 108 Pipe Repair Tape

Resimac Resimetal 108 Pipe Repair Tape is a high performance rapid curing moisture activated repair bandage, specifically developed for the repair of leaking

pipes, which is activated by immersion in water.



Peat Sorb is a lightweight non-biodegradable natural organic absorbent made from 100% Canadian Sphagnum Peat Moss. Absorbs cleanly and completely on contact. Clean ups are exceptionally quick and easy. Absorbs

hydrocarbons instantly on land and on water. Leaves no messy residue to clean up. Suitable for manual or mechanical cleanup.

- Non-Toxic
- Silica-Free
- Vapor Suppressive
- EPA Approved
- Coast Guard Approved
- Michigan State University Tested
- Non-Hazardous
- Non-Abrasive
- Non-Leaching

DATES TO REMEMBER

JOIN US EVERY OTHER WEDNESDAY FOR OUR #TECHTALK PODCAST

Follow us on LinkedIn for more info:
[https://www.linkedin.com/company/unconventional-solutions-inc-/](https://www.linkedin.com/company/unconventional-solutions-inc/)



January 16
SEMPPE Meeting Bakers of Milford
(Milford, MI)

January 22
MWEA's Annual Wastewater Administrators Conference (WWAdCon)
(Frankenmuth, MI)



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Repair - Protect - Upgrade

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