



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

Leading Edge

Vertical Inline Pump for Cooling Tower

The veins on this vertical inline pump for a cooling tower at a refinery had severe abrasion wear because of the 30 years of service it provided. The client wanted to see how the Resimac products could compete against the competition, and it came out with an exceptional review.

SUBSTRATE
Steel

PRODUCTS USED


Resimac 201 Ceramic Repair Paste
Resimac 808 Reinforcement Mesh Tape
Resimetal 202 Ceramic Repair Fluid
Resichem 501 CRSG (2 colors)

UNCONVENTIONAL SOLUTION

As you can see, the vein was 50% gone so we needed to build up the missing steel with **Resimac 201 Ceramic Repair Paste** and Resimac 808 Reinforcement Mesh Tape.

After we rebuilt that piece, there were 6 other pieces of the pump that we coated with two coats of **Resimetal 202 Ceramic Repair Fluid** on the inside. This created a smoother surface for pump efficiency and provided abrasion resistance.

All the external pieces of the pump were coated with **Resichem 501 CRSG** in two colors.

With the 2-color system, when the pump goes back in service the client will be able to tell if the pump needs recoating because the gray layer will wear out showing the blue layer. If the client chooses this method of prevention, they will not need to coat it in the future. 



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.

- Cold water lines
- Process equipment
- Sheet/bearing piles
- Internal & external tank surfaces
- Chemical intake areas
- Chemical containment and bund areas

Available in 3 Colors: Dark Grey / Light Grey / Blue

<https://www.usigroups.com/product/resichem-501-crsg-3-4l>

Keeping You in the Know Since 2002



USI Dates to Remember

September 12-15

**MI-AWWA's 85th Annual Conference & Exhibits
(MI-ACE 2023) (Port Huron, MI)**



PRODUCT HIGHLIGHT

resimac Ltd.

Resimac 201 Ceramic Repair Paste

Resimac 201 Ceramic Repair Paste is a two component ceramic repair compound. The product has been designed for use on a wide range of surfaces subject to abrasion and impact.



TYPICAL APPLICATIONS:

- Worn Impellers
- Damaged Pump Casings
- Bow Thrusters
- End Plates and Tube Sheets
- Damaged Valves
- Eroded Pipe Work
- Rudders
- Separator Housings
- Propellers
- Corroded Water Boxes

Call us @ 248.735.7000 for a FREE demonstration.

<https://www.usigroups.com/product/resimac-201-ceramic-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 2 p.m. EASTERN TIME

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Fast, Friendly Service & Shipping

