



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

Leading Edge

CASE STUDY: Concrete and Tile Foyer Repair – Improving Safety



This client, in the refinery industry, had concrete steps and entryways into the buildings that needed some type of coating that would be more durable than just some paint as what was on there was failing and in need of removal and replacement.

The client went on to explain that **improving safety** is one of the main concerns for wanting to get the steps re-done and was looking for some non-skid characteristics.

SUBSTRATE Concrete

PRODUCTS USED


USI Epoxy Mortar Regular Formulation Patch Kit
USI Flexible Broadcast Primer
USI Moisture Curing Polyurethane Color Coating (2 Coats)
White Aluminum Oxide

UNCONVENTIONAL SOLUTION

Unconventional Solutions removed the coating with a stand behind diamond grinder. Preparation was completed by roughing up the tiles and cleaning out the patch areas that were failing.

We repaired the surfaces that had failed with the **USI Epoxy Mortar Regular Formulation Patch Kit**. The next day the **USI Flexible Broadcast Primer** was applied, we waited until 8 hours and then applied one coat of **USI Moisture Curing Polyurethane Color Coating**.

On the third day the second coat of **USI Moisture Curing Polyurethane Color Coating** was applied by adding **White Aluminum Oxide** back rolled into the coating.

We had over 30 people come and tell us what a difference we had made at their place of work. We are already in the process of doing another set of stairs in the future. 



USI Epoxy Mortar Regular Formulation Patch Kit
USI Epoxy Mortar is a three component 100% solids epoxy mortar designed for applications where excellent wear characteristics and strength are required.

SIZES AVAILABLE: 2 Gallon / 5 Gallon
COLORS AVAILABLE: Red / Gray

www.usigroups.com/product/us-epoxy-mortar-patch-kit/



USI Flexible Broadcast Primer

USI Flexible Broadcast Primer (3 Gal Kit) is a two component 100% solids epoxy designed for sealing traffic surfaces exposed to vehicular or foot traffic. The toughness and elongation eliminate the need to repair hairline cracks. This product is formulated for use in a broadcast system as the basecoat prior to installing epoxy mortars or other suitable topcoats. Recommended for priming with broadcasting as a crack bridging sealer before application of epoxy mortar or topcoats.

www.usigroups.com/product/us-flexible-broadcast-primer/



USI Moisture Curing Polyurethane Color Coating
Single component, moisture curing polyurethane coating, used for locking in aggregate on a traffic bearing polyurethane coating system. This product has excellent abrasion resistance to wheel and pedestrian traffic.

www.usigroups.com/product/us-moisture-curing-polyurethane-color-coating/



White Aluminum Oxide

White Aluminum Oxide media is 99.4% pure for tough, quick-cutting blasting, cleaning & non-skid applications. Cosmetic-grade White Aluminum Oxide available. Sold in 5 Gal Pails

<https://www.usigroups.com/product/us-white-aluminum-oxide/>

Keeping You in the Know Since 2002



USI Dates to Remember

August 16-18

MEA Expo (Cincinnati, OH)

October 2-4

AMPP Eastern Conference (Savannah, GA)

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PRODUCT HIGHLIGHT

resimac Ltd.

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.



FEATURES:

- Solvent free polyurethane technology
- Fast curing—Touch dry 30 minutes
- Suitable for metallic, GRP & plastic surfaces
- No shrinkage
- Up to 750psi pressure resistance once cured
- Resists 270°C operating temperatures

<https://www.usigroups.com/product/resimac-resimetal-108-pipe-repair-tape/>

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Fast, Friendly Service & Shipping

