



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

May 2023

Leading Edge

Construction Safety Week, May 1 - 5

We are committed to helping you protect your employees and co-workers from unnecessary trips, slips, and falls from damaged concrete and failing flooring systems.

Floor Safety - Break Room Floor Refurbishment

The break room floor at this steel company was damaged from everyday wear and tear. The concrete floor in this 800 sq. ft room was beginning to crack, creating a hazardous environment for the employees and the company. Unconventional Solutions was called to find an alternative to replacing the entire floor.

The break room floor surface was cleaned. Then the surface was prepped with a diamond wheel grinder to give the floor the proper surface profile.

After surface prep was completed, **USI Flexible Primer**. **USI Flexible Primer** is a solvent free floor primer that offers excellent adhesion to concrete surfaces. The floor was then coated with **USI High Build**, a high build, ceramic enhanced, solvent free floor coating. **USI High Build** provides a high-performance finish with good abrasion and chemical.

USI has the expertise and products to repair, protect and upgrade your floors & walking surfaces to keep everyone safer.

Read more of our floor safety repair: <https://bit.ly/40LBYv7>



Concrete Stair Repair

This wastewater Treatment Plant wanted improve plant safety to mitigate the risk of trip, slip and fall issues. The steps were original from 1956 opening of plant and are over 66 years old.

The plant wanted to start having grade school kids do field trips to tour and it start with this project first.

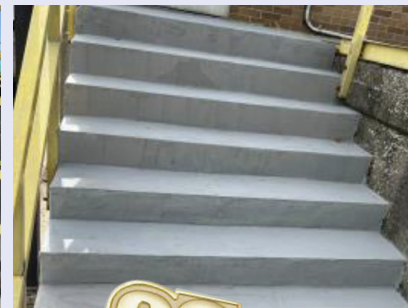
UNCONVENTIONAL SOLUTION: We started by removing all the loose damaged concrete and listening for any hollow sounds in the concrete. We used a grinder and scuffed up the rest of the damaged areas. Then we used leaf blower to remove all the rough debris. Then we used the **Resichem 571 Concrete Mortar LW** to rebuild the side of the stairs.

Once the area was clean, we used **Resimac 576 Quartz Screed** primer activator and poured it into the primer base and stirred it with a drill motor until it was a uniform color. We primed two stairs at a time so we could move around the project with ease. Using a five-gallon bucket, we mixed the **576 Quartz Screed Primer** with half of the

aggregate, then we mixed the remaining aggregate with a big concrete mixer and the drill motor. We scraped around the edges and bottom until thoroughly mixed. Using a premeasured wood form, we used tape and release agent on the front of the stairs so it would not stick. Reminder: slant the stairs away from the structure so rain runs off smoothly and ice will not form with colder temperatures.

The client was excited about the appearance and is now repairing other stairs to prevent slip, trip and falls.

Read more of Unconventional Solutions's concrete solution to these stairs today: <https://bit.ly/3AzWyUt>



Keeping You in the Know Since 2002



USI Dates to Remember

May 18

SEMPPEs at Baker's of Milford (Milford, MI)

June 9

USI Dayton-Cincinnati Golf Outing (Miamisburg, OH)

June 16

USI Wixom, MI Golf Outing (Milford, MI)

July 28

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

Warehouse "trips and falls" hazards

Employees were going in and out and the concrete was over fifty plus years old. It had started to crumble in many spots, and they did not have time to cut out and pour new cement.

PRODUCTS USED

RESICHEM 501 CRSG

RESICHEM 576 Quartz Screed

USI HB

LD Grip

Read more about this case study today:

<https://bit.ly/441JcxM>



PRODUCT HIGHLIGHT

VpCI®-126 Blue Series

iCortec® VpCI®-126

Blue is heat-sealable and can be used with all types of manual or automated heat-seal packaging equipment. The material protects small or large parts, and is available in a variety of standard and customized forms including bags, sheeting-reinforced film, Zip-Lock and Autobags, gusseted liners, bags-on-a-roll, perforated sheeting, coil covers, shrink film, and tubing. This state-of-the-art film construction provides multi-metal protection for parts, equipment, and vehicles for up to three years, even in aggressive outdoor conditions.



Metal parts packaged in VpCI-126 EM UV Film receive continuous protection against salt air and humid environments, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion.

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<https://www.usigroups.com/product/vpci-126-blue-series/>



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Fast, Friendly Service & Shipping

