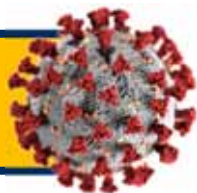


65 Clyde Ave | Buffalo, NY 14215

## OUR RESPONSE TO COVID-19



The MJA Company prides itself on a strong company focus on safety. Our response to the COVID-19 pandemic was made easier in part due to our long standing practice of strict adherence to respiratory protection protocols for silica safety. We continue to follow the latest federal, state, and local guidance and protocols to protect both our employees and the customers that rely on us to complete their projects in a timely manner.

## In this issue:

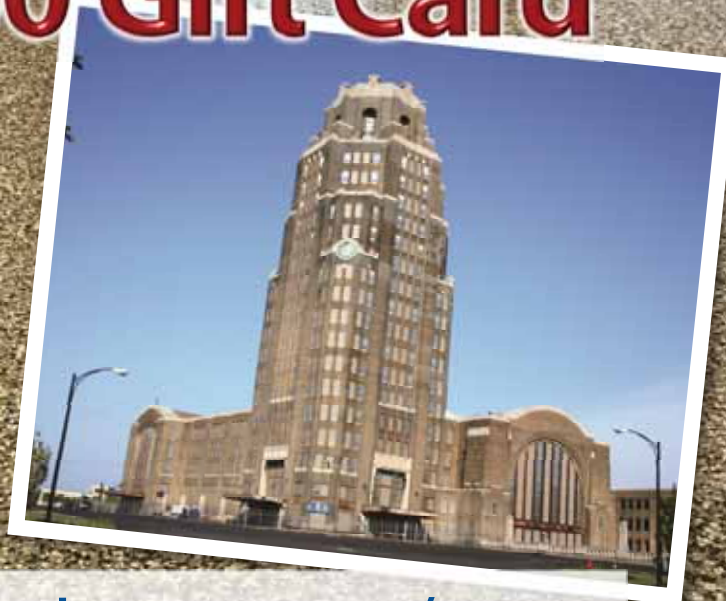
- Concrete Floor Surface Repair
- MJA Project Watch
- Win a \$100 Gift Card

# Concrete Floor Surface Repair

## Win a \$100 Gift Card

### Name This Building

Just tell us the name of this iconic building for your chance to win a \$100 gift card.



Enter to win at [www.themjacompany.com/promo](http://www.themjacompany.com/promo)

Contest ends August 31, 2021

### Previous Answer & Winner

Answer to the contest in the last newsletter: **Earl W. Brydges Artpark State Park**  
 Previous winner: **Shelly V. of Visone Construction**

No purchase necessary. Must be at least 18 years of age and a legal resident of the USA to enter.

## Overview

In the last two issues of *The Concrete Floor Report*, we presented articles that covered why cracks form in a concrete floor and how to repair them. This article is the last of the three-part series, covering repairs of **surface damage in concrete floors**.

As discussed in the previous article, the repair process is not simply cleaning out the damaged area and troweling something in to fill the hole. The repair process requires a wide range of tools, materials, and expertise of methodologies to properly complete a repair that will last. There are several steps that are part of the repair process. Properly completing each step is critical in creating a repair that will handle the traffic and environmental conditions that the floor will be subjected to.

## Evaluation Step

The first step in the repair process has several elements. The first element is an evaluation of the floor usage and investigation of the cause(s) of the damage to the concrete surface. Fortunately, in most cases, the cause of the damage to the floor is known. This is important so you can plan a specific repair without fear of recurrence. Obviously, a floor that is in a chemical production plant that may be exposed to harsh chemicals is going to demand a different repair than a floor in a warehouse subjected to only forklift traffic.

The second element in this step is to determine if the material in and around the hole is physically sound. This will dictate how extensive the repair preparation step will have to be.

The last element is to determine what material is best for the repair considering the size and depth of the repair and the conditions the floor will be subjected to. After this, the next step in the process is preparation of the damaged area.

## Preparation Step

There are two components in this step. If the surface in and around the damaged area was found not to be sound, it must be cut back enough so that the concrete in and around the damaged area is physically sound.



The preparation process may be simple.

*Continued on next page*



Continued from cover page

In addition, the preparation process must ensure that the surface in the damaged area has the proper profile or surface texture to provide a good bond between the existing concrete and the repair material.



The preparation may be complex, requiring several steps to prepare the area for repair.

Installation Step

The next step is to fill the damaged area with the material that was decided on during the evaluation process — and, as much as possible, match the finish of the rest of the floor.

There are a wide range of products that can be used for a repair. Examples of the type of materials used would include cement based mortars, structural polyurea polymers, and structural epoxy mortars.



In some cases a special primer may be required.



The material used in the repair is dictated by the size and depth of the damage and the floor use.

Finishing Step

The final step in the process is to make sure the repaired area is flush with the surrounding surface. This leads to an important comment about concrete floor repairs.



Grinding repaired area flush with the surrounding surface.

A Word About Matching

We often have customers request that concrete repairs blend in with the existing floor and are not noticeable. There have been a lot of new developments in terms of the types of material used, the blending of materials, and the ability to color repair materials. Even with all of these advances in technology, it's unlikely that a repair is going to blend into the floor perfectly. The wide range of colors of concrete floors and the difficulty of blending an exact color makes it nearly impossible to match the color of the concrete surrounding the repair.

As you have seen, repairing a damaged floor is not just filling the void created. A thoughtful, measured approach by a contractor with the expertise and experience necessary to complete the repair is the only way to get a result that will last long term.

**Need Help With Your Concrete?**

If you have any questions about the treatment, repair, or renovation of your concrete floor, give us a call at 716-831-7091 or email us at [info@themjacompany.com](mailto:info@themjacompany.com).

*\*Images courtesy of Metzger/McGuire Co.*

PUZZLED ON HOW TO FIX YOUR CONCRETE FLOOR?



Big, small, new, or old —  
no matter what kind of  
damage you have in your  
concrete floor...

The MJA Company can help.

MJA PROJECT WATCH

FedEx

Cheektowaga, NY

- Surface and crack repairs
- 5,000 sq. ft. of epoxy coating



Main Place Tower

Buffalo, NY

- Surface repairs
- 2,350 sq. ft. of epoxy coating



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