



Globally Proven  
Construction Solutions

# HUDSON HOSPITAL

## Project Spotlight



**CUSTOMER:**  
Hudson Hospital  
Hudson, WI

**INSTALLER:**  
Concrete Arts  
Hudson, WI

**GENERAL CONTRACTOR:**  
McGough Construction  
Saint Paul, MN



## Situation

Hudson Hospital has been serving Western Wisconsin with a full suite of health and medical services for more than 60 years. The hospital is an important part of the community and was recently named as one of the Top 100 Critical Access Hospitals for the fifth consecutive year. With a focus on improving health and well-being in partnership with its members, patients and

community, Hudson Hospital needed a new medical office building to keep pace with its growth. The new 41,000 square foot (3,809 square meter) space includes 3,500 square feet (325 square meters) of polished concrete in the lobby, hallways and waiting areas and is part of a \$10 million expansion for HealthPartners Hudson Hospital & Clinic.

“Blending old and new in any expansion project is always a challenge. With the right LATICRETE products, Concrete Arts was able to achieve the seamless look the hospital desired and complete the project on time for the grand opening. Thanks to the results, Hudson Hospital is ready for its next 60 years”

~ Jeff Bonkiewicz  
SPD Channel Manager, LATICRETE



## Challenge

The project specifications called for dyeing and polishing the new and existing concrete floors and stairs. However, as the project got underway, the existing floors had to be refurbished to make room for electrical and plumbing lines that would serve the addition. Because the floors included old concrete, new concrete, and extensive concrete patches, the contractor and installer

decided that a polishable overlay would be the best solution for the entire area. Furthermore, the Concrete Arts team had to mill the concrete surface down 3/8" (0.95 cm) to accept the overlay, while also filling and repairing all cracks and joints, and finding a way to match the pre-fabricated stairs to the polished floors.

## A LATICRETE Solutions

Solutions used in the Hudson Hospital flooring project include:

L&M™ RESTORE™, a fast setting, low odor, two-component advanced polymer resin was used to fill and repair all existing cracks. It

has a very thin consistency and high bonding strength, allowing it to penetrate deep into concrete and create a tenacious bond for a permanent repair.

L&M JOINT TITE 750™ was used to fill all joints after they had been re-cut. JOINT TITE 750 is a self-leveling, rapid curing, polyurea control joint and crack filler designed to fill interior random cracks, damaged control joints, saw cut control joints, and construction joints in industrial concrete floors.

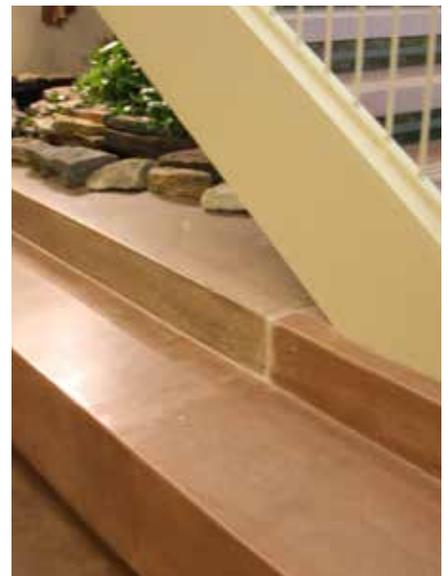
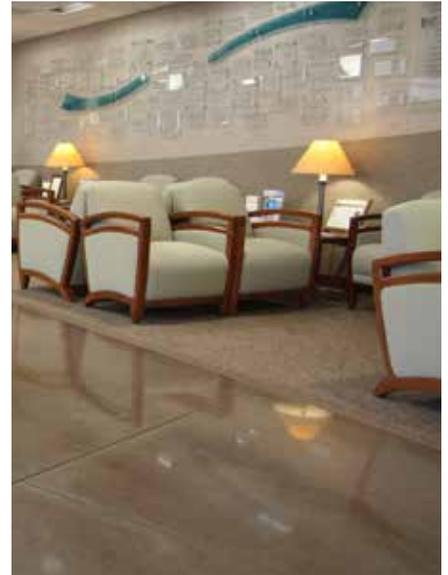
DRYTEK™ EPOXY PRIMER™ was applied to the prepared surface to provide a barrier between decorative wear surfaces and the substrate below. It is a two-component, high-solids epoxy primer applied with a sand broadcast that reduces pinholes in the decorative topping.

L&M™ DURAFLOOR TGA™, a unique blend of cements, polymers, color and mineral aggregates designed to resurface existing concrete surfaces, was used over the entire area after allowing the primer to cure for 16 hours. It combines the durability of concrete with color and decorative aggregate to produce a high-performance floor with enduring beauty. DURAFLOOR TGA also was used on the stair treads to match the polished concrete floor.

L&M VIVID DYE™ was applied in two coats to match the existing concrete's color after the surface was ground through the diamond chain to a 1,500 grit full polish. The product is formulated using extremely fine molecules of color designed to penetrate and color any cementitious surface.

L&M LION HARD® was used to lock in the dye and add density to the overlay. It is a VOC-free, environmentally friendly lithium silicate concrete floor densifier and hardener that penetrates bare concrete surfaces and transforms them into a permanently dust-free floor with a pridelful gloss that gets better with age.

L&M PERMAGUARD SPS™ was applied as a stain protector for the newly polished surface. It is a low-odor, VOC-compliant, topical sealer consisting of low molecular emulsified cross-linking, coupling polymers that effectively protect concrete and other natural stone floor surfaces from the damaging effects of staining, defacing and deterioration due to contaminant penetration.



“Like any public building, hospitals must stand up to a lot of foot traffic while providing an attractive and safe environment,” said Tom Graf of Concrete Arts. “We wanted the look of a polished or decorative concrete, and thanks to LATICRETE, we were able to overcome the challenges of matching all surfaces included in the addition.”

## Outcome

With the installers working double shifts and using the best products on the market to achieve the desired results, the project finished on time and opened in October 2014. The new building adds to the hospital's functionality and helps to ensure

it will serve the Hudson community for many years. The floors have a unique, homogenous look that ties the new areas to the existing areas in a seamless fashion.

