



CASE STUDY

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LOCATION: Danville, Illinois • **CONTRACTOR:** Neverman Floor Artisans

PROJECT

Golden Nugget Casino

CHALLENGE

- Harsh weather conditions of Central Illinois in the spring
- Exterior installation of 3' x 8' GTP slabs
- Number of exterior towers needing tile (11 total)
- Size and dimension of exterior towers
- Tight timeline (3 months) March-May 2023
- Interior panels were installed on walls and panels were installed on multiple exterior benches and waste receptacles

FEATURED PRODUCTS

ARDEX X 90 OUTDOOR™

MicrotecC3 Rapid-Set, Flexible Tile and Stone Mortar

ARDEX X 77™ MICROTEC®

Fiber Reinforced Tile and Stone Mortar

ARDEX X 4™

LFT - Large Format Tile and Stone Mortar

ARDEX SX™

100% Silicone Sealant for Tile and Stone Applications

ARDEX 8+9™

Rapid Waterproofing and Crack Isolation Compound

ARDEX MRF™

Moisture Resistant, Rapid-Drying, Skimcoat Patching Underlayment

SITUATION

High winds, rain, and temperature fluctuation between 28°F to 80°F created challenging jobsite conditions. A very inconsistent substrate called for a full repair prior to installation. The size of the tile being installed required each panel to be hand-cut to size (no assembly line).



SOLUTIONS

SUBSTRATE PREPARATION

Mike Kroll, ARDEX Tile & Stone Sales Professional, consulted with Brian and Matt Neverman to identify a list of potential obstacles with the installation. JSRs were submitted to ARDEX Technical Services Department for guidance on the proper preparation and installation methods for the project.

INSTALLATION

Several of the exterior towers had gaps in the corner seams and foreign sealants on the cement board structures. Foreign sealers were removed, and the damaged facing were repaired with ARDEX MRF Moisture Resistant, Rapid-Drying, Skimcoat Patching Underlayment. After patching, the towers were waterproofed with ARDEX 8+9 Waterproofing and Crack Isolation Membrane.

As the tile installation began, the late March cold spells prevented installation with ARDEX X 77 due to the substrate temperature dropping below 40°F overnight. ARDEX X 90 OUTDOOR offered the installation team with a solution to continue working despite the shift in temperatures. ARDEX SX 100% Silicone Sealant used to complete the tile installation. Despite high winds and temperatures, the team was able to complete the project within the allotted time frame.

"When we looked at this project, we knew there would be some challenges with the proper installation being weather job site conditions and overall follow through from start to finish," said Matt Neverman, Neverman Floor Artisans. "However, we accepted that challenge and wanted to move forward. Before we even got on site, we had our team complete gauged porcelain panel training with the IMI institute to gain the most up to date installation guidelines. During the project, we brought ARDEX reps to our office for a meeting on proper materials needed for a successful installation. All together with the IMI training, ARDEX support, and coordination with the general contractor this installation was a success. We are very pleased to perform this type of installation and look forward to the next one."