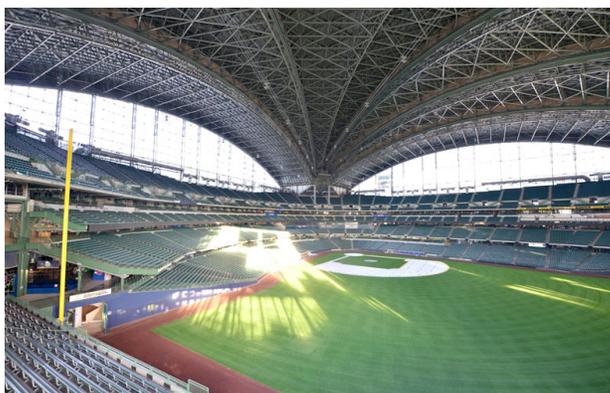


Stadium Milwaukee, WI



“Ideal for projects with tight time constraints”

Project Team

- ▶ Aridus® Licensee/Concrete Supplier: Prairie Materials
- ▶ General Contractor: Mortenson Construction

Ready in 30? Mortenson’s Time Test

When Mortenson Construction faced a tough deadline for stadium renovations that called for rubber coatings over a concrete floor, they felt Aridus® might solve their dilemma.

“We couldn’t start construction until mid-November 2012, and we faced a turnover date in late February,” noted Mortenson’s Senior Superintendent, Doug Hills. Crews needed to pour a 1,700 square-foot floor on an elevated metal deck to a depth of 6.5 inches. To meet this aggressive deadline, the slab would need to reach less than 85% RH within 30 days.”

“We knew U.S. Concrete’s Aridus® Rapid Drying Concrete would fit the bill,” said Mike Fiorita, Prairie Materials, of Wisconsin. “But Aridus is a highly specialized mix, and batching, pouring and placement require strict quality control. We worked closely with Mortenson Construction on this job, as we do with all our contractors to ensure their success with Aridus.”

Great Support

Prairie’s QC Manager, Sergio Martinez, organized a pre-pour meeting with Mortenson finishers to explain the properties of the proprietary mix. Then he carefully reviewed placement instructions with Prairie drivers the day before the pour to make sure everyone understood the requirements.

The mix pumped well and finished well with Conform. Because of the slab’s location and size, the surface was hand-struck, but crews were off the floor in eight hours.

Excellent Results

- ▶ Tests by Mortenson far exceeded the target RH, ranging from 62% to 67% at 28 days
- ▶ The 28-day results came in at 10,000 psi

Aridus® At-A-Glance

Problem: Floors Gone Bad

Aridus® Rapid Drying Concrete is the first ready-mix concrete solution for preventing moisture-related floor covering failures, an industry-wide problem that costs millions of dollars annually in damage, downtime, repair and replacement.

Impacts of Flooring Failures

- ▶ Construction Delays
- ▶ Cost Overruns
- ▶ Moisture Mitigation
- ▶ Environmental Hazards
- ▶ Liability Issues
- ▶ Damaged Reputation

Options:

Today’s options attempt to seal in the moisture, but none get rid of the problem within the concrete, nor do they address RH. In addition, these costly and late stage treatments do not prevent the moisture problems from the beginning.

Why Aridus®?

Aridus® Concrete is a scientifically engineered Rapid Drying Concrete that consumes excess water, thereby preventing moisture problems from the very beginning by accelerating the concrete drying time.

- ▶ Eliminates moisture issues
- ▶ Eliminates costly and time-consuming moisture mitigation systems or extended drying time, thereby offering schedule savings
- ▶ Eliminates moisture related environmental hazards
- ▶ Superior performance as compared to conventional concrete:
 - High-early strength
 - Superior compressive strength
 - Improved drying shrinkage properties
 - Very low permeability
 - Significantly reduced curling
- ▶ Your insurance policy

Recognition:

Editor’s Choice Award: 2013 World of Concrete “Most Innovative Product Award Winner”: Category: Concrete Construction Materials