



ARIDUS® Rapid Drying Concrete allows you to install your flooring products without the need for costly and time-consuming topical products.

**The result:** no material costs for moisture-mitigation products and a reduction in your planned construction schedule.

## What is ARIDUS® Rapid Drying Concrete?

ARIDUS concrete is an exclusive, patented concrete mix design from U.S. Concrete, which enables faster, more effective floor topping installations.

### Moisture-related Challenges of Flooring Installations

While recent changes in environmental regulations to restrict VOCs in flooring adhesives have reduced the environmental impact of new flooring installations, the new adhesives are less durable and more susceptible to moisture-related issues. In response, contractors have been forced to combat the problems by adding sealers or lengthening the drying time of the concrete, in hopes of reducing the risk of liabilities associated with the failures of floor coverings. In addition, these remedies increase the construction time and costs associated with these projects.

And none of these remedies address how to reduce the moisture. ARIDUS concrete was developed to combat the construction delays, cost overruns and moisture-related flooring issues encountered when applying moisture-mitigation products.

Impacts of flooring installations with moisture-mitigation products

- Construction delays
- Cost overruns
- Moisture mitigation
- Environmental hazards
- Liability issues
- Damaged reputation

## Why is ARIDUS Concrete Superior to Late-stage Moisture Sealers?

Not only do moisture sealers have no effect on the moisture within concrete, but sealers add to project costs and are not 100% effective.

ARIDUS® Rapid Drying Concrete			
Price per Sq. Ft.	Guarantee	Scientifically Proven	Floor Installation As Soon As:
\$3.50			30 Days

**WHAT:** Rapid Drying Concrete  
**GOAL:** To reach moisture levels acceptable for flooring materials, adhesives and coatings installations in as little as 30 days.  
**REALITY:** The first proven concrete solution to slab moisture problems

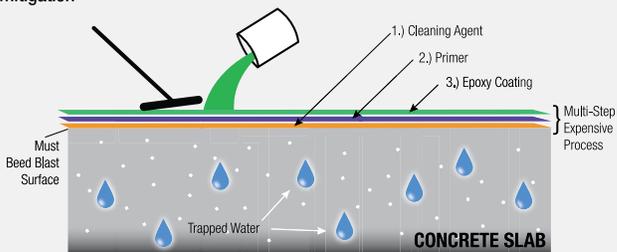
ARIDUS is the only concrete that eliminates moisture within the slab allowing flooring to be installed in as little as 30 days without the threat of floor covering failure



**ARIDUS Rapid Drying Concrete** accelerates drying time by removing water of convenience.

3-PART EPOXY			
Price per Sq. Ft.	Guarantee	Scientifically Proven	Floor Installation As Soon As:
\$5.00- \$14.00	?		? Days

**WHAT:** Multi-step process requiring extensive preparation of the concrete surface  
**GOAL:** Reduce MVER and act as isolation barrier to alkali salts within concrete  
**REALITY:** Most time-consuming and costly of the topical approaches to moisture mitigation



1.) Cleaning Agent  
 2.) Primer  
 3.) Epoxy Coating

Multi-Step Expensive Process

Must Beed Blast Surface

Trapped Water

## ARIDUS Concrete Advantages

- Eliminates moisture issues: ARIDUS concrete takes moisture totally out of play before the floor is installed. In contrast to conventional concrete, ARIDUS concrete consumes excess water in the concrete through more efficient hydration, thereby preventing moisture problems from the very beginning.
- Eliminates costly and time-consuming moisture mitigation systems or extended drying time, thereby offering schedule savings
- Superior performance as compared to conventional concrete:
  - » High early strength
  - » Superior compressive strength
  - » Very low permeability
  - » Significantly reduced curling
- ARIDUS concrete is safe for flooring in as few as 30 days
- ARIDUS Lightweight can be installed in 90 days or less, when most lightweight slabs take more than a year to dry to acceptable levels.

## Racing Against Time: ARIDUS® Case Studies

### ARIDUS Meets Aggressive Requirements for San Francisco Bay Tenant Improvement Project

The contractor was able to install the flooring in two weeks, meeting the needs of this fast-paced tenant improvement project. ARIDUS concrete was installed in multiple locations, including drain areas that required the concrete to be poured at a small slope. The high early strength allowed the contractor to place the scissor lifts on the slab after two days, allowing them to seamlessly continue the mechanical equipment installation.

“ARIDUS allowed us to quickly install our flooring, meeting the fast-paced requirements for our tenant improvement project.”

– Kenton Rogers, XL Construction.

### Medical Facility Saves Money, Time and Risk

ARIDUS was smoothly pumped 300 feet to the 10th floor of a Washington Medical Facility. The two main ARIDUS concrete placements totaled approximately 16,000 square feet and reached the required relative humidity (RH) in a remarkable 19 and 21 days, respectively, allowing flooring to be applied much earlier than expected.

“ARIDUS concrete addresses moisture problems from the very beginning. It reduces the drying time and the risk of excess moisture vapor in concrete slabs. The result – flooring can be installed much faster and more effectively.”

Greg McKinnon, Stoneway Concrete.

### Middle School Successfully Meets Opening Day of School

The original construction schedule for the Texas Middle School was 14 months, risking failure to meet the school's August 26, 2013 opening date. The contractor and architects selected ARIDUS rapid drying concrete to shorten the construction schedule and avoid any moisture issues. The use of ARIDUS concrete cut the construction schedule by 30 percent (from 14 months to 10 months) and resulted in similar reductions in construction overhead costs.

“It typically will take anywhere between four to eight months to get below 80% relative humidity (RH) inside your concrete. With ARIDUS we achieved this in 21 days, giving us the option to install flooring significantly sooner.”

Jim Hagemann, Satterfield & Pontikes Construction.

### Schedule Savings Experienced by High Technology Manufacturing Center

The owner, knowing that technology can change quickly in the high Technology manufacturing industry, was interested in a solution that did not need to be re-installed if they required an upgrade to the space in the future. They turned to ARIDUS concrete to address this concern. In addition, ARIDUS delivered many other benefits. The superior structural performance of ARIDUS concrete allowed the contractor to erect steel in 1 ½ days, reducing the construction schedule by about 10 days. Additional schedule savings occurred because ARIDUS was the moisture mitigation strategy. As a result, the flooring installer was able to install the flooring without any additional flooring preparations.

“ARIDUS Rapid Drying Concrete is an excellent solution that allows owners to turnaround the finished product in a much more timely manner. The implementation of ARIDUS concrete provides a huge advantage by helping to prevent potential floor covering problems in the future. There are major benefits that ARIDUS concrete technology can provide on the slab boards. The biggest one is that all of the moisture comes out of the mix itself, it's all completely used within the hydration process.”

– Nick Dolci, Joseph J. Albanese

Install your flooring products without the need for costly and time-consuming topical products.

## Frequently noted construction benefits:

- No material cost for curing compounds and sealers
- No “cost of time” associated with surface preparation prior to application of a surface moisture mitigation system
- No “cost of time” or labor costs for applying first and second moisture mitigation system coatings
- No “cost of time” to cure a surface moisture mitigation system
- No “cost of time” associated with closing down a work area while applying a surface moisture mitigation system
- No “cost of time” or labor costs associated with sand blasting the surface as part of the floor preparation.
- No “cost of time” or labor associated with grinding edges due to curling
- Positive schedule impact due to 3-day strength

“No longer will project schedules need to be disrupted by extended drying times or to apply a topical moisture and pH suppression system.”

– Peter Craig, independent concrete floor authority and Lead Instructor for the ICRI Moisture Testing Certification Program.

### Learn More

Contact us to find out how ARIDUS concrete can help you cut costs and time on your slab construction — from data centers, high technology, biotechnology, healthcare to school projects — or trench work for quick tenant improvement projects.

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