



Aridus Rapid Drying Concrete, a proprietary concrete mix, reduces drying time and risks associated with excess moisture to enable faster, safer flooring installation.

OVERVIEW OF MOISTURE PROBLEMS

The effects of an unacceptably high level of moisture in concrete are a leading cause of flooring failures. Aridus Rapid Drying Concrete eliminates a major source of moisture-related flooring problems and reduces the risk of:

- Delayed projects
- Lost productivity
- Alkali and pH issues
- Mold problems
- Sick building syndrome
- Costly business interruptions, floor damage, moisture mitigation treatments, repairs and replacements
- Voided floor warranties

Preventing moisture problems is essential. Concrete needs to meet flooring industry warranty standards despite tight time frames and external factors.



Applications

Recommended for use in:

- Schools, hospitals, data centers, retail, offices and home additions
- Very wet and very dry climates
- Slabs close to water table.
- Projects that need an extra margin of safety



**ARIDUS IS
SAFE FOR FLOORING
IN AS FEW AS
28 DAYS**

Benefits

- Helps keep critical projects on schedule
- Reduces flooring moisture damage risk
- Dries faster than conventional concrete



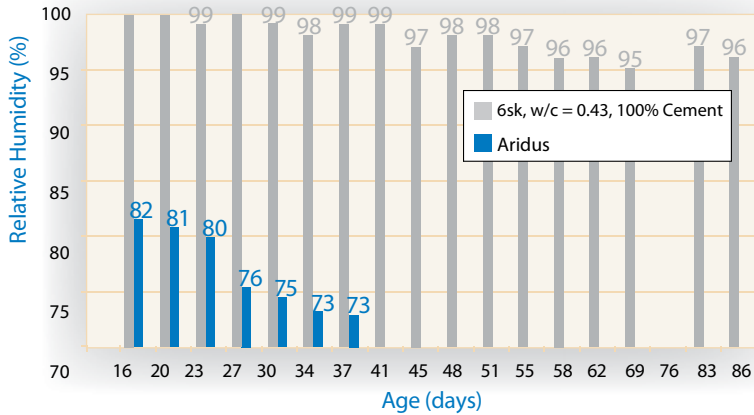
ARIDUS® Rapid Drying Concrete is a proprietary product of US USC Technologies, Inc., a U.S. Concrete Company. Cemstone is a Licensee for Aridus.

For more information, call 1-800-CEMSTONE
cemstone.com

CONTROLLED EVALUATIONS

All tests were conducted in a strictly controlled environment of 73° F and 50 percent RH.

Internal Relative Humidity(RH)



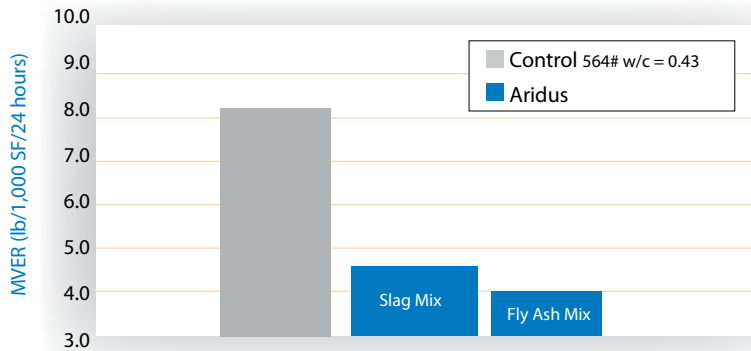
Aridus reached the target humidity level three times faster than conventional concrete.

RH is an indicator of the remaining moisture in concrete that will either be used in further hydration or emitted as water vapor.

RH is the standard for measuring moisture in flooring systems in Europe. Its use in flooring warranties is limited in the United States, but is becoming increasingly more common.

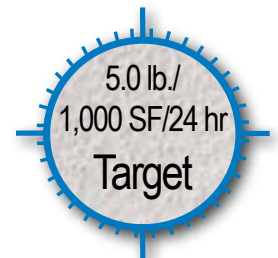


Moisture Vapor Emission Rate (MVER) Test Results at 45 Days



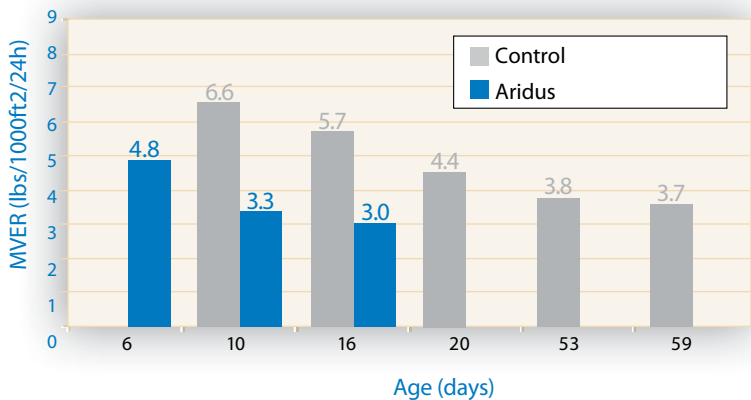
Aridus dramatically reduces the target internal relative humidity as compared to conventional concrete.

Many common flooring systems require an MVER of 5 lbs/1000 ft²/24 at the time of flooring application for warranties to be valid. Under some drying conditions, conventional concrete will never reach that level.



Aridus can be made with cement/fly ash, cement/slag or a combination of all three

Rewetting Effect



After a rewetting event, Aridus redries about four times faster than conventional concrete.

To test how rain would affect the MVER of concrete that had already dried, we did a side-by-side comparison. Both Aridus and conventional concrete were dried to an MVER of 3 lbs/1000 ft²/24 hours. Then we "ponded" a quarter inch of water on each for 24 hours to simulate a heavy rain event. After the soaking period, Aridus reached previous MVER levels in just 16 days.

