

TECHCRETE 2500 Case Study

PROJECT DETAILS

Project Name	Colorado State University Football Stadium
Location	Fort Collins, Colorado
Date of Installation	Summer/Fall 2022
Salesperson	Geoff Czapla
Application/Solutions	TechCrete 2500 Waterproofing Agent & TechCrete Accelerating Agent as a barrier against long-term water entry.

THE CHALLENGE

Create a long-term barrier within the stadium's concrete to protect against water entry and enhance concrete durability to handle the 26,000+ attendees that use it. The application needed to be quick with little to no downtime in anticipation of fall football and the start of fall classes.

THE SOLUTION

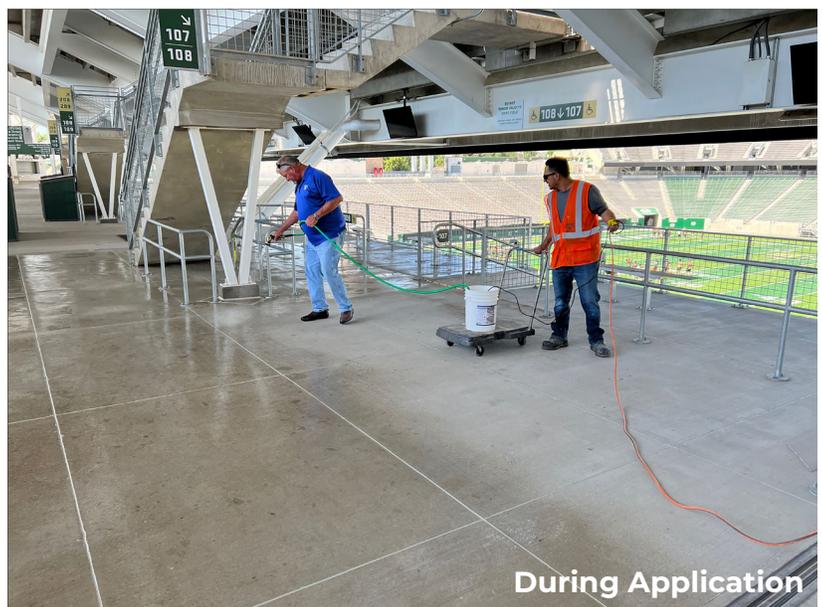
The **TechCrete 2500 Waterproofing Agent** creates a long-term barrier against water entry and enhances concrete durability.

The TechCrete 2500 interacts with the calcium contained within the concrete to form a calcium silicate gel. This creates a barrier against moisture and environmental contaminants. It is also designed to seal current and future non-structural cracks and will remain active in the concrete to self-repair future non-structural cracks when it comes in contact with water.

The **TechCrete Accelerating Agent** is used with the TechCrete 2500 system to decrease the time between application and use.



Before Application



During Application

Only two employees were needed to apply the product using a cart and a sump attached to a garden hose & sprayer.

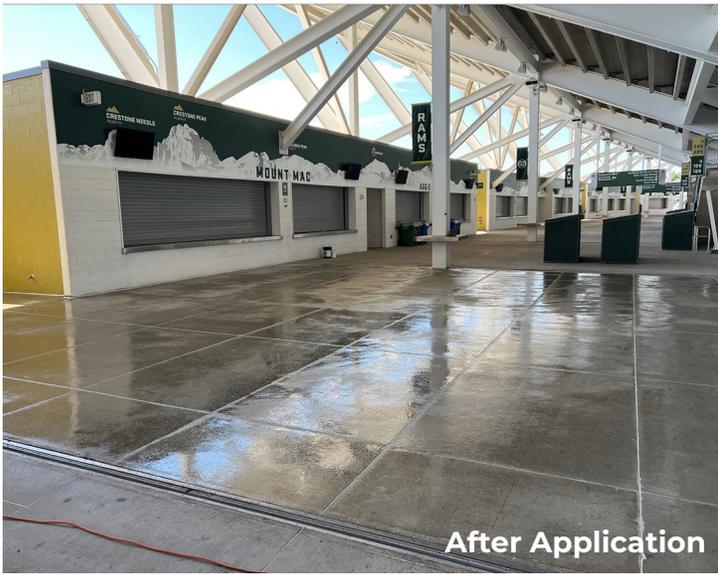
PRODUCTS USED

**TechCrete 2500 Waterproofing Agent
& TechCrete Accelerating Agent**
Manufactured by Alchemco



THE RESULTS

The contractor was able to apply the TechCrete 2500 system using only four employees, a bucket on a cart, a sump pump, and a hose with a sprayer. Two employees cleaned the concrete with a power washer and the other two applied the TechCrete. They were able to complete very large areas in a short amount of time which saved them a lot of money on labor. Each area was almost completely dry and ready for foot traffic by the time that the next area was completed.



Sump pump with a garden hose & sprayer.



Product was almost dry and ready for foot traffic in under an hour.



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