

The **MIRACOTE**[®] **SOLUTION**

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Texas A&M University is known for creating a culture of excellence for academics, athletics and campus life. It is centrally located in College Station, TX. The University's mission is to prepare its

The Challenge

The sun is always shining in College Station, so it is no wonder that the favorite place for students to congregate after a long day in the classroom is at the outdoor



University Pools the Plug on Hot Deck

students to assume roles of leadership, responsibility and service to society through offering the highest quality academics. In addition to exercising the mind, the university recognizes that a complete education includes exercising the body as well. Texas A&M offers an excellent recreation department to its

students and faculty, including a variety of

indoor and outdoor sports activities.

campus pool. The pool facilities have many amenities, including a zero depth entry, a bubbling fountain, and a six-lap lane area that provides an opportunity for swimmers of every type and skill level.

The deck area around the pool was deteriorating and in need of restoration. So, when University officials received complaints that the deck was in need of repair and were made aware of concerns that the existing materials were too hot to walk on with bare feet in the scorching Texas sun, they acted quickly.

Project: Texas A&M Outdoor Pool Deck Renovation

Submitted by: Jim Rowe

Contractor: Structural Concrete Systems, LLC / Damon DiBassie

Products Used: Miracote MPC

The 21,000 square foot area needed a long-lasting resurfacing solution with quick installation time. The materials needed to withstand strong UV rays, daily and seasonal thermal cycling, and be resistant to harsh pool chemicals, as well as provide a heat absorbing, "barefoot friendly" walking surface.



The Solution

Jim Rowe, the Miracote Regional Manager, contacted the University to discuss their needs. He recommended installing Miracote MPC, a liquid catalyzed, polymerized cementitious protective topping that contains a marble dust filler specifically designed for exposure to harsh environmental conditions. As he explained, since MPC can be installed in light reflective colors and be aesthetically textured, it would significantly reduce the surface temperature and thereby reduce the heat transference to the students' bare feet. The University administrators approved the recommendation. With a solution in hand, Jim contacted Damon DiBassie, owner of Structural Concrete

Systems, LCC, a local contractor trained in the installation of Miracote MPC.

The MIRACOTE Action

After visiting the job site, Damon selected Bobby Barchus and Chris Reeves as the Structural Concrete project superintendents

for this high profile project. They faced the daunting task of removing 21,000 square feet of existing pool



decking and replacing it with the Miracote MPC decking system. After removing the existing decking and contaminants, the surface cracks were repaired and the Miracote MPC was installed. The job was specified for three lifts of Miracote MPC in the Sandpiper Beige color. Once the first lift was installed and

cured, the subsequent second lift was applied and allowed to cure, then the third lift was applied. To achieve the aesthetic flagstone pattern finish that the University had chosen, the stencil was taped onto the third coat of Sandpiper Beige MPC. Next, a fourth coat of White MPC was trowel applied at 1/32" over the entire surface. White was selected as the final wear course because it reflects sunlight and lowers the surface temperature by 38 degrees Fahrenheit vs the conventional concrete found immediately adjacent to the MPC deck.

The job was completed in less than 28 days, the maximum time allocated for the project's completion, and turned over to the University for inspection. After a final walk through, completed barefooted, with key University personnel, these administrators stated that the



results far exceeded their expectations. Structural Concrete Systems, IIC and Miracote had pooled their resources and delivered a cool solution to a hot topic!



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