



TALLAHASSEE, FLORIDA

Doak Campbell Stadium Coating Solutions

Collaborating for success

A NEOGARD, JONES-BLAIR & Hempel stadium coating solution

Doak Campbell Stadium

Doak Campbell Stadium hosted its first football game in 1950 with seating for 15,000 fans. Since then, the stadium has been expanded and now holds 79,560 screaming football fans; making it the twentieth largest stadium in the United States and the second largest in the Atlantic Coast Conference (ACC). The stadium stands as the largest continuous brick structure in the United States and is second in the world behind the Great Wall of China.

Project Scope

In late 2015 Florida State University (FSU) began the stadium's largest renovation project of the last decade with a goal for completion prior to the 2016 fall football season.

The expansion project included the addition of 5,000 outdoor seats, 70,000 square feet (21,336 sq. m) of air conditioned Champions Club space and 34,000 square feet (10,363 sq. m) of covered rooftop terraces.

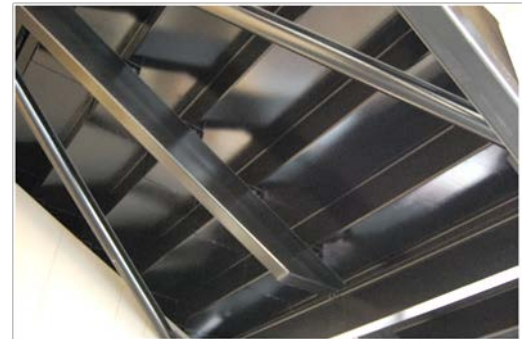
Renovations also included coatings for the underside and topside of the stadium's steel seating bowl.

Collaboration

NEOGARD Regional Manager, Johnny Domeier together with Mike Keeling, a representative from NEOGARD's distributor, Coastal Construction Products, were approached by the Doak Campbell Stadium design team while on campus to discuss coating solutions for a different FSU facility. The design team was interested in a 10-year system that could address the pedestrian traffic coating needs of the steel bowl while also protecting the exposed underbelly and supports from corrosion.

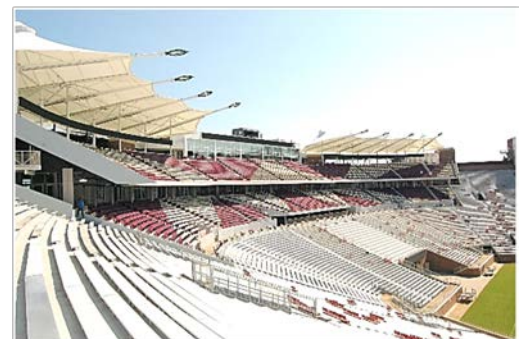
NEOGARD's extensive stadium experience is with more traditional concrete facilities whereas the FSU football stadium is primarily steel with very few concrete sections. Due to the unique challenge in providing a traffic coating system that could fully adhere to the steel substrate, Johnny called on David Parnell for his metal coating expertise with Jones-Blair and Hempel products.

Johnny and David worked in conjunction with technical service experts from the tree brands to offer the FSU design team a single-source coating solution.



Steel protection

450,000 square feet (137,160 sq. m) of Hempel Hempadur Mastic protects the underside of the steel seating bowl and supporting beams.



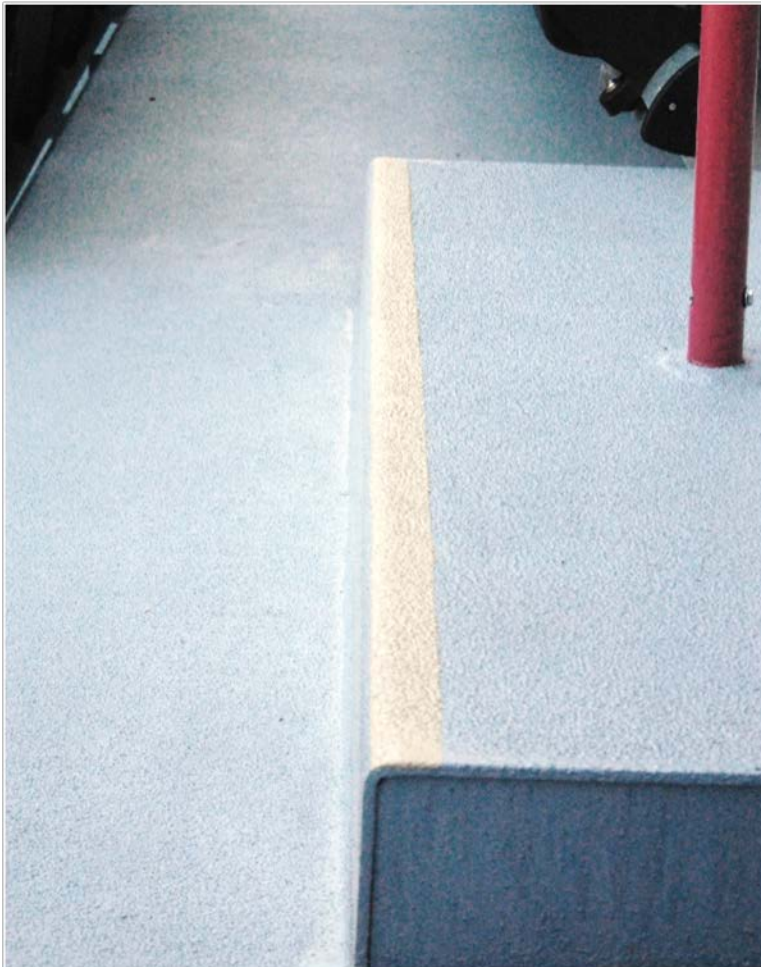
Traffic coating & waterproofing

450,000 square feet (137,160 sq. m) of a customized Peda-Gard traffic coating on the steel seating bowl of Doak Campbell Stadium.



Surface preparation

Previous traffic coatings were removed by power washing to expose the steel substrate prior to paint or primer application.



Safely markings

Jones-Blair's Acrylithane, custom tinted in Florida State University's gold and garnet, was used for safety markings and railings.

Application

C-Sharpe, a licensed NEOGARD applicator, was selected by Childers Construction to apply the traffic coating system while Marlin Coatings received the contract for recoating the underside of the stadium bowl.

Marlin Coatings cleaned the existing coating on the underside of the bowl with NEOGARD's 8500 Bio cleaner before applying a single coat of Hempel's Hempadur Mastic epoxy custom tinted in FSU gray to address the corrosion protection and aesthetic needs for the underside of the bowl.

On the topside of the bowl, C-Sharpe removed the existing traffic coating with a pressure washer and cleaned the exposed steel substrate with NEOGARD's 8500 Bio cleaner before applying a primer.

Four primers were adhesion tested to ensure the 44 mil (1,118 micron) traffic coating would fully adhere to the steel substrate and Jones-Blair's Chem-O-Gard DTS primer was applied at 250-300 square feet per gallon (23-28 sq. m per 3.78 liters).

The traffic coating was applied with a base coat of 7430 at 20 mils (508 micron) followed by an intermediate 12 mil (305 micron) coat of 7430, aggregate broadcast and a 12 mil (305 micron) topcoat of 7470. The single component aliphatic urethane was selected in light gray to ease the possible heat island effect where Tallahassee's summer temperatures have resulted in surface temperatures in excess of 130°F (54°C).

Project resolution

Marlin Coatings and C-Sharpe finished the contracted coating applications well ahead of the scheduled completion date anticipated by the FSU design team and the original coating coatings plan was expanded to include additional repair work and the painting of other exposed steel.

The Doak Campbell Stadium owners and project design team are extremely happy with the coating renovations. Based on their experience, FSU asked the NEOGARD, Jones-Blair and Hempel representatives to develop a custom specification for the Dick Howser Stadium, home of the FSU Seminoles baseball program.

"We are very excited that we continue to win effectively on these opportunities. This is just another example of the true collaboration that helps capitalize on the acquisition, accelerate our goals, strengthen our North America Vision and most importantly, deliver a full value of trusted solutions to our customers," said Hempel North America Marketing Director, Jose Luna; responsible for the Jones-Blair Industrial, NEOGARD and Hempel Brands.

Key players

Owner:
Florida State University

Architect:
EMI Architects

General Contractor:
Childers Construction Company

Applicators:
C-Sharpe
Marlin Coatings

Distributors:
Mike Keeling - Coastal Construction Products (NEOGARD)
Houma Service Center (Jones-Blair & Hempel)

NEOGARD, Jones-Blair & Hempel:
Johnny Domeier, David Parnell, George Wilson,
Malcom Kerr, Lee Denney