

NBA Stadium Lets It Rain with New Waterproofing

Stadium protected with PREPRUFE® Plus for below grade waterproofing

Project	Golden 1 Center
General Contractor	Turner Construction
Applicator	F.D. Thomas
GCP Solution	PREPRUFE® Plus waterproofing



Project

Constructing the new Golden 1 Center

Building the new home of the NBA's Sacramento Kings was complicated. General Contractor Turner Construction was tasked with completing the 17,500-seat, \$507 million stadium in less than two years. In addition to the immense scale of the task, the contractor faced the challenge of building an arena that would sit below the water table.

"GCP Applied Technologies works with contractors that perform at a very high level and was able to accept the risk due to the high performing PREPRUFE®Plus product, technical expertise, and global success on similarly critical projects," said Stuart Hunter, vice president of the Waterproofing division of F.D. Thomas, the regional waterproofing contractor. "We took the lead in making sure the general contractor, concrete subcontractor, rebar subcontractor, and plumbing subcontractor all worked together to meet GCP's requirements and deliver on the aggressive schedule."

"In addition to the immense scale of the task, the contractor faced the challenge of building an arena that would sit below the water table."

Building in the water table

"Unfortunately, heavy rains just weeks into the stadium construction project left the excavated jobsite under three or four feet of water," according to Hunter. The stakes were high. The arena was being built below the water table and adjacent to two major river systems, so the stadium owner required a fail-safe below grade waterproofing solution. The Golden 1 Center had to operate dry, period. Once the skies cleared, the pressure was on F.D. Thomas to waterproof 280,000 square feet on time with no delays. F.D. Thomas held pre-job meetings to get all the trades dialed in to support a smooth, efficient installation.

"The arena was being built below the water table and adjacent to two major river systems, so the stadium owner required a fail-safe below grade waterproofing solution."

Leveraging a high performance waterproof membrane

To meet the requirements for operating dry, the contractors used high performance PREPRUFE®Plus waterproofing membrane. The owners especially liked the fact that more than 650 million square feet of PREPRUFE® membrane have been installed worldwide on thousands of high-profile, must-not-fail projects. As Hunter says, "It's the industry workhorse."

More than 96 rolls of PREPRUFE®Plus membrane (30,000 square feet) were kicked out in a single day. This allowed F.D. Thomas to shatter all expectations, finishing the stadium construction job on time and on schedule, despite the weather and project challenges.

Turner Construction officials were ecstatic with the waterproofing and the project results.

Today the stadium construction project is open to the public and no below grade leaks have been reported, in spite of historic El Niño rains and a rising water table. To that, Hunter just grins and says, "Let it rain."

Blue360SM Product Performance Advantage.

Because every project, large or small, deserves the best level of protection.

"The stadium construction project is open to the public and no below grade leaks have been reported, in spite of historic El Niño rains and a rising water table."

gcpat.com | North America Customer Service: +1 (877) 423 6491

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Suite 400, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6

This document is only current as of the last updated date stated below and is valid only for use in the United States. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2025-05-13

gcpat.com/about/project-profiles/nba-stadium-lets-it-rain-new-waterproofing