

GENFLEX™ ROOFING DELIVERS HOME FIELD ADVANTAGES TO CHARLOTTE KNIGHTS

Hard-working roofing system proves to be just what baseball stadium needs



Project Overview:

Since its official opening in April 2014, BB&T Ballpark, with the newly installed 77,000 square feet of hardworking roofing system, has met the lofty expectations of the Knights' front office and Charlotte civic leaders – record-breaking attendance; acclaim as a facility that's friendly to fans and the environment; and injecting new life into Uptown Charlotte.

Paired with a double-layer of GenFlex ISO insulation, the GenFlex white TPO membrane enhances the ballpark's energy efficiency and provides a durable roofing system that was LEED® certified in late 2014.

The 2014 season was an exciting one for the Charlotte Knights. It was the start of a new era for the franchise – the inaugural season in the team's brand-new home, BB&T Ballpark.

The \$55 million, state-of-the-art stadium was a hit with fans. According to the team, it led all of minor league baseball in attendance, drawing 687,715 attendees to its 71 games, including 31 sellouts*. Stadium Journey magazine called the park a “must-see.”

A dependable partner for a high-profile project

With more than a billion square feet of roofing membrane installed over the last three decades, GenFlex Roofing Systems has built a reputation for superior installed performance and “whatever it takes” service.

After nearly a quarter century of playing in a neighboring suburb, the Charlotte Knights proposed to bring professional baseball back to downtown Charlotte. The city of Charlotte provided land and financial incentives to help the team make the move, and civic leaders hoped the new stadium would anchor the revitalization of the surrounding neighborhood.

The stakes were high and so were a number of construction hurdles. The contractors encountered challenges endemic to an inner-city infill site.

“Great products, easy to work with, and solid distribution. We’ve worked with [GenFlex] on a number of projects through the years, so we had trust in their team and their systems.”

— Bryan Stepp
*Project Manager for Baker Roofing,
on Genflex Roofing Systems*

*Charlotte Business Journal

To make up for unexpected issues and delays, the roofing construction needed to be smooth and efficient. So the team turned to Baker Roofing, and Baker turned to GenFlex for quality and reliability.

Baker Roofing and GenFlex go to bat for the Knights

“For the BB&T Ballpark, we obviously wanted a top-quality system – this is a major investment for the Knights and our community, and is built to last,” noted Bryan Stepp, Project Manager for Baker Roofing. “We also needed a supplier that could meet tight timelines and be flexible enough to meet our needs...a project this size has a lot of moving parts.”

“That made GenFlex a perfect fit,” Stepp added.

Hard-working roof, high-performance stadium

For BB&T Ballpark, Baker Roofing installed 77,000 square feet of 80 mil. GenFlex white TPO, in an adhered system that covered multiple roof areas – enclosed offices, luxury boxes, ticketing and concession areas, as well as overhanging coverage for portions of the infield seating.

The TPO membrane was paired with a double-layer of 2.5 inch GenFlex ISO insulation over steel decking. This polyisocyanurate foam insulation provides higher R-value per inch than other popular roofing insulation, while also providing additional impact protection, fire and moisture resistance.

The white TPO membrane provides excellent solar reflectance, diverting the sunlight during hot North Carolina summers to keep interior offices cool and fans more comfortable. Combined with the ISO insulation, it created a highly-efficient, extremely durable system that reduces energy and maintenance costs.

“The white TPO was a great aesthetic choice, to give the stadium a clean look and blend in with the skyline,” said Stepp. “But as part of a system with the polyiso insulation, it’s also the best option for energy savings and sustainability, which we try to emphasize in all of our projects.”

The focus on sustainability extended throughout the project, as the Ballpark was LEED® certified in late 2014. As an insulated ‘cool roof,’ the reflective TPO system helped earn LEED credits towards energy efficiency and reducing ‘heat island’ effects (the muggy conditions that result when buildings absorb and amplify sunlight and humidity in a dense urban area).

“A number of GenFlex products support LEED and green building practices, by saving energy and reducing chemical emissions [with low-VOC adhesives],” said Todd Lienemann, Territory Sales Manager for GenFlex.

The GenFlex TPO Roofing System provided:

- ▼ Exceptional solar reflectivity and heat resistance
- ▼ Increased energy efficiency
- ▼ Reduced energy and maintenance costs

The GenFlex ISO insulation added greater value to the project by:

- ▼ Providing a better R-value performance per inch
- ▼ Increasing impact protection, fire and moisture resistance
- ▼ Earning LEED credits towards energy efficiency

