

FleeceBACK® KEE HP
Roofing Systems

CASE STUDY

**Take Me Out to The Ballgame –
KPost Installs Roof on New Globe Life Stadium**



JOB PROFILE

PROJECT LOCATION:
Arlington, TX

CARLISLE AUTHORIZED APPLICATOR:
KPost Roofing & Waterproofing

MANUFACTURER'S REPRESENTATIVE:
CSL Materials

ROOFING SYSTEM:
» Gray FleeceBACK KEE HP Membrane
» LIQUISEAL® Liquid Flashing

SQUARE FOOTAGE:
440,000 SF

WHEN CONSTRUCTION BEGAN:
Winter 2019

COMPLETED DATE:
Summer 2020

Globe Life Field, the home ballpark of the Texas Rangers of Major League Baseball, opened in July of 2020 in Arlington, Texas. The ballpark was built in conjunction with Texas Live!, an entertainment complex built adjacent to the stadium that features hotels, a convention center, a courtyard, retail stores, and restaurants. Globe Life Field has a 5.5-acre retractable roof that consists of more than 200 clear roof panels. When closed, the panels allow natural light to enter the park. This retractable roof, the most prominent feature of Globe Life Field, is the largest single-panel operable roof in the world, weighing 24 million pounds, and can completely retract in approximately 12 minutes.

KPost Roofing & Waterproofing, a Carlisle SynTec Systems Authorized Applicator and official roofing partner of the Dallas Cowboys, was chosen to install the roof on Globe Life Field because of their extensive experience in the commercial roofing industry. Since their inception in 2004, KPost has completed more than 1,240 construction projects, including several other high-profile contracts such as AT&T Stadium, the Omni Dallas Convention

CASE STUDY



Center and Hotel, The Statler Dallas, The Star in Frisco (campus of the Dallas Cowboys World Headquarters and practice facility), and the Perot Museum of Science and Nature, to name a few. KPost consistently ranks as a Top 100 Roofing Contractor by Roofing Contractor Magazine and as a Top 600 Specialty Contractor by Engineering News-Record. The skilled team at KPost is dedicated to delivering high-quality and safety standards on every project.

Carlisle's gray FleeceBACK KEE HP (High Performance) was the membrane of choice for the roof at Globe Life Field. FleeceBACK KEE HP is a polyester-reinforced membrane that is tough, durable, and versatile, making it an ideal choice for a wide variety of re-roofing and new construction projects. FleeceBACK KEE HP offers exceptional weatherability, flexibility, and puncture resistance due to its polyester reinforcing scrim, polyester fleece backing, and DuPont Elvaloy® KEE HP copolymer. KEE HP membrane is also highly resistant to chemicals such as acids, restaurants oils, fats, and greases, making it an obvious choice for a ballpark stadium roof.

Installing the roof at Globe Life Field was a massive undertaking and proved to be no easy feat for the KPost team. The roof features a relatively steep slope of 22 degrees and consists of five steel trusses with tie-in steel between each truss, which made it difficult to load materials onto the roof. KPost had to resort to the use of helicopters to get all the necessary roofing material loaded onto the jobsite before installation could begin. Most of the operable roof was installed during the winter months, which posed another challenge. There was often a thin film of ice present on the roof in the early hours, making the membrane

slippery, so the KPost team was sure to take extra safety precautions during this part of the installation process.

Because of the structural steel that penetrated the roof at odd angles and offered little to no flashing height, KPost selected Carlisle's LIQUISEAL Liquid Flashing. LIQUISEAL Liquid Flashing is a low-VOC, solvent-free, two-component, polyurethane-based resin that is ideal for situations where there are oddly shaped or difficult-to-flash penetrations, like this one. The penetrations present at Globe Life Field had multiple fasteners at or just above roof level, making it extremely difficult to seal off. KPost was able to offer a solution to this problem by choosing Carlisle's LIQUISEAL Liquid Flashing.

By the end of this roofing project, KPost had installed nearly 80 miles of rigid insulation boards, more than a million plates and fasteners, over 440,000 square feet of roof membrane, and used close to 10 miles of wood blocking. Once the installation process was complete, the Globe Life Field logo was painted on to the top of the roof with LED lights that were attached with strips of heat-welded membrane. Not only does the finished product look phenomenal, but the long-term performance of Carlisle's FleeceBACK KEE HP membrane and KPost Roofing & Waterproofing's expertise and precision will greatly benefit Globe Life Field and its assets.

