17,000 cubic feet of Foam-Control® EPS15 Geofoam was used to fill in stadium seating in the stands of Memorial Stadium to accommodate a green roof at Kansas State University in Manhattan, Kansas.

**Project Details**

In 2013, K-State undertook a program to repurpose campus landmark Memorial Stadium, which consisted of two wing buildings that supported the stadium’s original tiered seating sections as their roofs. Since the stadium was no longer used for K-State football games, it wasn’t practical to keep the concrete risers in the building rehabilitation project. As the project evolved, the plan became to transform most of the seating into green roofs, which would be planted with native materials chosen to represent the hues and subtle undulations of the Kansas prairie.

Engineers needed a lightweight fill material that wouldn’t require additional structural support in the two wing buildings beneath the stands. The landscape architect on the project recommended the use ACH Foam Technologies’ Foam-Control® EPS15 Geofoam. The roofing subcontractor digitally mapped the stands on both sides of the stadium, which allowed each piece of foam to be cut and configured to a specific placement on the slope prior to installation. As an added benefit, the Geofoam also greatly increased each wing building’s roof R-value making the revitalized spaces below more thermally efficient.

**Memorial Stadium, Kansas State University**

- Manhattan, KS
- Spring 2013
- Foam-Control® EPS15 Geofoam Structural and Landscape Fill
- 17,000 Cubic Feet

**Architects**

- Gould Evans
  - West Memorial Stadium
- Ebert Mayo Design Group
  - East Memorial Stadium

**Contractors**

- Western Specialty Contractors
  - EPS Installation
- Altmar, Inc.
  - West Memorial Stadium
  - Hutton Construction
  - East Memorial Stadium