350,000 cubic feet of Foam-Control® EPS19 Geofoam with Perform Guard® termite resistant treatment was installed as green roof void fill on the rooftop of the Kauffman Center parking garage in Kansas City, Missouri.

Located downtown Kansas City, Missouri in the Crossroads Arts District, the new Kauffman Center for the Performing Arts is the home to three of the region’s leading performing arts organizations: Kansas City Ballet, Kansas City Symphony, and Lyric Opera of Kansas City. The Kauffman Center is one of the most technically and architecturally-advanced performing arts centers in the nation.

Opened in September 2011, the 285,000 square foot facility includes the 1600-seat Helzberg Hall, 1800-seat Muriel Kauffman Theatre—each with its own acoustical envelope—and a 1000-car underground parking garage. An over-arching shell houses both venues. The glass roof creates a series of interior piazzas that serve as shared public spaces. The Kauffman Center’s grounds are used for outdoor performances and public gatherings.
Project Details (continued)

The rooftop of the parking garage adjacent to the Kauffman Center provides the outdoor space needed for performances and gatherings. In order to create the green-roof space, engineers required a lightweight fill material that would reduce the weight on the parking structure below. Foam-Control® EPS19 Geofoam with Perform Guard® was selected for its light weight and high compressive strength.

Geofoam was used to fit a compound sloped concrete roof deck of the parking garage and create a compound sloped top surface for the park. Over the Geofoam in the park, grass, walkways and trees were installed to create a beautiful green area. 350,000 cubic feet of Foam-Control® EPS19 Geofoam with Perform Guard® termite resistance treatment was installed in thicknesses ranging from 12" to 14'. Approximately 118 truckloads of EPS Geofoam was used to complete the project.

According to Mike Miller, Geofoam Contractor and Installer, George Shaw Construction, “ACH Foam Technologies was chosen for the job because of prior successful Geofoam designs they produced with Jeffrey L. Bruce & Company landscape architects.” Miller further explains, “The ACH Foam Technologies designer worked closely with the architect (J.L. Bruce & Co.) and George Shaw Construction to provide a custom fit Geofoam job involving special cut Geofoam pieces.”

Application
• Green Roof and Landscape Fill
• Second Largest Geofoam Application of its Kind

Geofoam Facts
• Extremely Light Weight to Reduce Lateral or Bearing Loads
• Predictable Engineered Performance
• Speeds Construction Time
• Long-Lasting, Strong, and Stable