Application

3,800 cubic feet of Foam-Control® EPS12 Geofoam was used as lightweight structural and landscape fill on the rooftop of the new Utah Convention Center in Provo.

Project Details

Fall 2011, construction begins on the new 3-story, 144,000 square foot convention center. During the previous five years, the city lost over $18 million due to the lack of space to accommodate large conventions. The new convention center includes an outdoor roof terrace with planter boxes and ramp access.

To reduce the axial load on the rooftop, MHTN Architects, who have had extensive past experience with Geofoam, selected it as the lightweight fill material for the planter boxes and ramp access area. ACH Foam Technologies custom-cut each of the Geofoam pieces to their exact size and shape to save the contractor installation time and money. The planter boxes were filled with a G4 mira drain in conjunction with the Geofoam, followed by filter fabric, soil and plants.

The use of Foam-Control® EPS12 Geofoam also reduced the amount of expensive potting soil that would be used in the planter boxes. Higher density Geofoam was not required for the project because there wasn’t excessive weight placed on top of the material. Robert Pinon AIA, LEED AP of MHTN Architects further explains, “The Geofoam afforded us a solution to reduce the load at the roof terrace plaza. The product was used as a structural fill for raised planters surrounding a paved outdoor gathering space. As part of the waterproofing system, the Geofoam accounted for over 24" of fill."

Utah Convention Center
- Provo, UT
- Fall 2011
- Foam-Control® EPS12 Geofoam Structural and Landscape Fill
- 3,800 Cubic Feet

Architect
Robert Pinon
MHTN Architects

Contractor
Alan Richards
Okland Construction