Utah State Capitol

Application

127,000 cubic feet (4,704 cubic yards) of Foam-Control® EPS19 and EPS29 Geofoam was used to reduce the weight of heavy soil on a below-grade parking structure at the Utah State Capitol in Salt Lake City Utah.

Project Details

During summer of 2007, engineers selected Foam-Control® Geofoam as the project's lightweight fill material. Before Geofoam was installed on top of the below-grade parking garage, the concrete structure was flooded and tested for leaks. A prefabricated drainage mat was applied to ensure proper water drainage.

Two to three layers of Foam-Control® EPS19 Geofoam was installed on the drainage mat. Above the Geofoam a fabric filter was applied to prevent soil from slipping between the cracks of the Geofoam blocks. Two feet of landscaped soil covers the Geofoam. EPS29 Geofoam was installed under areas where an adjacent roadway passes the capitol, which required a higher compressive strength material. Geofoam was also used to create elevation changes for landscaping.

Geofoam

Utah State Capitol
- Salt Lake City, UT
- Summer 2007
- Foam-Control® EPS19 and EPS29 Geofoam Green Roof and Landscape Fill
- 127,000 Cubic Feet

Contractor
Ted Siri
Grant Mackay Construction

Engineer
Parry Brown
Reaveley Engineers