

Utah State Capital

Application

127,000 cubic feet (4,704 cubic yards) of EPS 19 and 29 Geofoam was used to reduce the weight of heavy soil on a below-grade parking structure at the Utah State Capital.

Project Details

During summer of 2007, engineers selected Geofoam as the project's light weight 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 matt was applied to ensure proper water drainage.

Two to three layers of EPS 19 Geofoam was installed on the drainage matt. 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. EPS 29 Geofoam was installed under areas where an adjacent roadway passes the capital, which required a higher compressive strength material. Geofoam was also used to create elevation changes for landscaping.

Geofoam

Utah State Capital

- Salt Lake City, UT
- Summer 2007
- Geofoam Green Roof & Landscape Fill
- 127,000 Cubic Feet

Engineer

Parry Brown
Reaveley Engineers

Contractor

Ted Siri
Grant Mackay Construction



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