ACH FOAM TECHNOLOGIES

Fidelity Tower

Fidelity Tower/915 Walnut
Kansas City, Missouri
Fall 2005
Geofoam - Green Roof
48,384 Cubit Feet

Architect: Richard Yates &
Brian Davis
Jeffrey L. Bruce & Co

Contractor: Mike Berson
Project Manager
Weitz Co.

Application:

EPS Geofoam used as a lightweight fill for a green roof on the 8th floor of a parking garage.

Project Details:

Fall 2005, developers wanted a green area to create a transition from the retail and office space on the south side of the building to the condo's on the north side. Geofoam was specified rather than soil or gravel for its speed of installation and weight considerations.

EPS 12 (2.2 psi)* and EPS 29 (10.9 psi)* Geofoam was installed in three layers in addition to the ramp and pavestone areas. The upper layer of Geofoam was taped at the seams and tires were placed on top to prevent the foam from shifting during installation.

*Compressive Resistance at 1% deformation

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Twelve inches of top soil, sprinkler system and brick pavers were installed over the Geofoam. EPS 29 Geofoam (10.9 psi)* was installed below the pavers and EPS 12 Geofoam (2.2 psi)* was installed in the remainder of the project.

Ramp areas were adhered with a polyurethane adhesive and leveled with sand. Installation of EPS Geofoam was completed in 18 days.

"Using Geofoam kept this project on time and on budget," Mike Berson, Project Manager.

Additional ACH Products:

ACH tape and gripper plates

*Compressive Resistance at 1% deformation