

# Fidelity Tower

## Application

48,384 cubic feet (1,792 cubic yards) of EPS Geofoam was used as light weight fill for a green roof on the 8th floor of the Fidelity Tower Condos in Kansas City, Missouri.

## Project Details

Fall 2005, developers wanted a park on the roof top to create a transition from the retail and office space on the south side of the building to the condos 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.

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 Bierson, Project Manager.

\*Compressive Resistance at 1% deformation

## Geofoam

### Fidelity Tower

- Kansas City, MO
- Fall 2005
- Geofoam Green Roof Fill
- 48,384 Cubic Feet

### Architect

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

### Contractor

Mike Bierson  
Project Manager  
Weitz Co.



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