

California Academy of Sciences

Application

3,700 cubic yards of EPS 15, 19 and 29 Gefoam was installed as light weight void fill on the roof deck of a below-grade parking garage at the new California Academy of Sciences in San Francisco, California.

Project Details

Spring 2007, subcontractor, Jensen Corporation, chose ACH Foam Technologies to supply 3,700 cubic yards of Gefoam. "ACH was chosen because they were willing to make such large quantities of the material to spec at short notice, and came highly recommended because of the quality of their product," said James Zavala, estimator for Jensen.

Gefoam saved approximately 1.00-1.25 tons of weight on the below-grade parking garage. Due to the vastness of the construction project, some areas of the parking garage were not prepared for delivery of the huge quantities of Gefoam. To accommodate the project, ACH Foam Technologies staged delivery of Gefoam and trimmed the 4' x 8' blocks down to 6", 12" and 24" and 3' sizes.

The Gefoam blocks varied from 6 inches to 4 feet in depth and were covered with a layer of ProPex 4547 geotextile fabric, followed by 2 feet of soil for planting. The California Academy of Sciences is the largest public Platinum-rated building in the world and the world's greenest museum.

Gefoam

California Academy of Sciences

- San Francisco, CA
- Spring 2007
- Gefoam Green Roof and Landscaping
- 3,700 Cubic Yards

Architect

Renzo Piano
Renzo Piano Building
Workshop Architects

Engineering & Sustainability

Ove Arup Partners

Contractor

Jake Cacciato
Jensen Corporation



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