Wisconsin Vision Associates

Application

Both Foam-Control® PLUS+® 130 Roof Insulation and Foam-Control® EPS12 Geofoam was used on a new Wisconsin Vision Associates building in Burlington, Wisconsin.

Project Details

The primary challenge on this tilt-up office/warehouse building project was cost-effectively nesting the building into a hillside to avoid infringing on an environmental corridor. Early structural engineering investigations of a system capable of supporting both the building’s pre-cast wall panels and the weight of the hillside were cost prohibitive, leading the structural engineer to suggest using ACH Foam Technologies’ Foam-Control® Geofoam.

The Foam-Control® Geofoam blocks were used to create a structural barrier between the building’s tilt-up walls and the lateral pressures of the hill. Lightweight and extremely easy-to-install using non-specialized labor, the construction team on the project assembled more than 12,747 cubic feet of Foam-Control® EPS12 Geofoam in just three days, eliminating the need for costly and time-consuming earthwork.

259,376 broad feet of Foam-Control® PLUS+® 130 Roof Insulation was also used in the mechanically-fastened DuroLast PVC roof system. Two layers of 3.5” insulation was separated from the membrane with a polyethylene slip which resulted in an R-30 roof.

Wisconsin Vision Associates
- Burlington, WI
- Spring 2014
- Foam-Control® PLUS+® 130 Roof Insulation
- 259,376 Board Feet
- Foam-Control® EPS12 Geofoam Foundation Protection
- 12,747 Cubic Feet

Contractors
- Roofing: James R. Taylor and Sons, Inc.
- Geofoam: The Wanasek Corporation

Engineer
ddk Engineering