Deseret Mills Pasta Plant

Application

A total of 175,000 cubic feet of Foam-Control® EPS19 and EPS22 Geofoam was used as a lightweight structural fill on a new factory being built on unstable soils in Kayesville, Utah.

Project Details

A site survey for the Deseret Mills Pasta Plant found that the soil was unstable with a low burying capacity and unable to evenly distribute the building’s weight. Excavating the site and re-filling it would have added six to nine months to the construction schedule. Structural requirements mandated that the underslab fill material support a 400-psf uniform load along with a 12,000 lb. forklift load, which prompted engineers to propose the use of ACH Foam Technologies’ Foam-Control® Geofoam.

175,000 cubic feet of Foam-Control® Geofoam was used in two densities, EPS19 and EPS22. The Geofoam was placed on grade and extended down to natural soil after the top soil was removed. A 10” concrete slab was poured on top of the Geofoam, allowing construction to proceed in a matter of weeks rather than months.