Application

35,000 cubic feet of Foam-Control® EPS15 Geofoam was used as a lightweight structural fill for a patio deck at new Wellstar medical office building in Marietta, Georgia.

Project Details

Engineers and contractors building the new Wellstar East Cobb Health Park discovered that the base soil around the building was not stable enough to support the weight of a second-floor walkout patio when the soil compressed 4" under the weight. These kinds of settlement problems would eventually cause structural damage to the concrete plaza above, as a result a lightweight structural fill material was required.

Engineers turned to the internet to learn about lightweight fill materials and found ACH Foam Technologies’ Foam-Control® Geofoam to be the solution they were looking for due to its light weight and high compressive strength. The soil backfill was removed and 35,000 cubic feet of Foam-Control® EPS15 Geofoam was installed in 3’ x 4’ x 8’ blocks, five layers high using only hand labor over just a few days. A hot-wire cutter was used to trim edge pieces to fit the curved shape of the building and patio walls.