Pat’s Tire

Application

Three different densities of Foam-Control® PLUS+® were used as underslab insulation on a new 21,150 square foot metal building project in Chilton, Wisconsin.

Project Details

The new 21,150 square foot metal building was designed and built by Wisconsin-based Keller, Inc. for a local tire supplier selling tires, rims, and lubricants for large agricultural machines and construction equipment. The height requirement in the garage bays combined with Wisconsin’s frigid winter temperatures suggested that insulating the slab and footings from below would greatly improve the metal building’s thermal envelope.

ACH Foam Technologies’ Foam-Control® PLUS+® was used in three different densities (150, 250, 400) to create a layered insulation barrier with a R-10 R-value between the concrete slab and the earth below. Keller, Inc. had previous experience using Foam-Control® PLUS+® insulation and knew that it allowed moisture to escape in below-grade applications while retaining its full R-value. The additional benefit of high compressive strength to support the heavy inventory of tires made Foam-Control® PLUS+® an ideal solution for the project.