University of Iowa Band Center

Application

80,000 square feet of Foam-Control® PLUS+® 250 Underslab Insulation was used to support an under-floor radiant heating system at the University of Iowa in Iowa City, Iowa.

Project Details

When the University of Iowa built a new marching band practice facility, a key consideration was how to mitigate long-term heating and cooling costs for the 82,000-sf metal building. For a space that size, under-floor radiant heating installed on a layer of rigid foam insulation provided a lot of advantages over forced-air heating. The subcontractor responsible for the indoor turf work was familiar with a variety of insulation products and recommended ACH Foam Technologies’ Foam-Control® PLUS+® 250 over the originally specified XPS alternative. The switch saved the project more than $100,000 in materials costs.

Compressive strength was also important since a 6" layer of rock aggregate would be placed on top of the insulation, followed by the artificial turf. Other factors in the decision were the superior R-value of Foam-Control® PLUS+® 250; the ease with which the radiant heating piping could be fastened to the insulation, and ACH Foam’s 50-year product warranty.

Below-Grade Insulation

University of Iowa Band Center
- Iowa City, IA
- Summer 2014
- Foam-Control® PLUS+® 250 Underslab Insulation
- 80,000 Square Feet

Contractors
- Russell Construction
- MBA Concrete