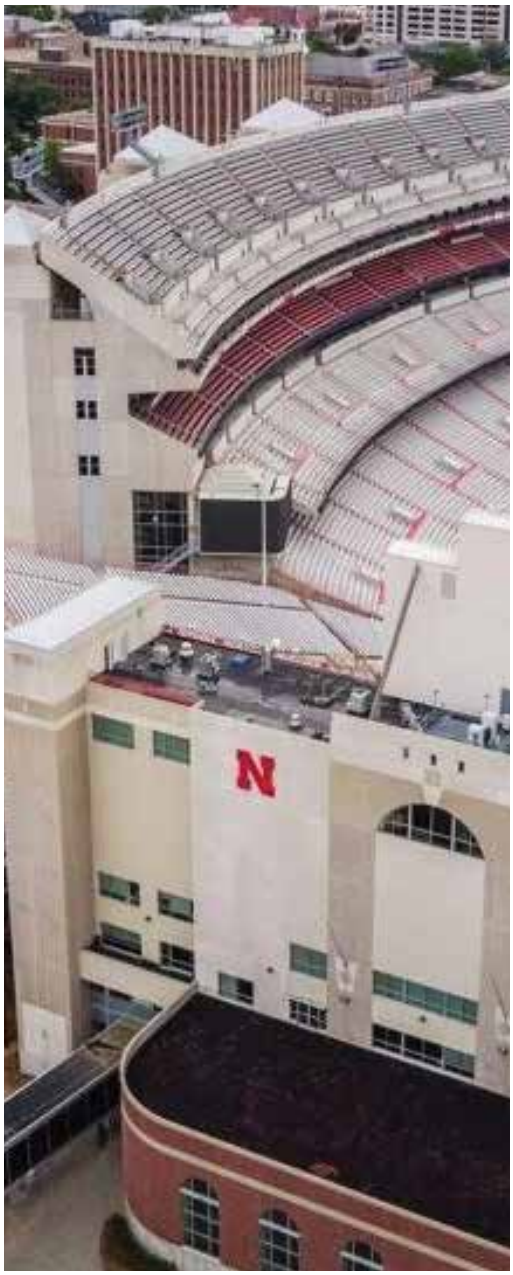
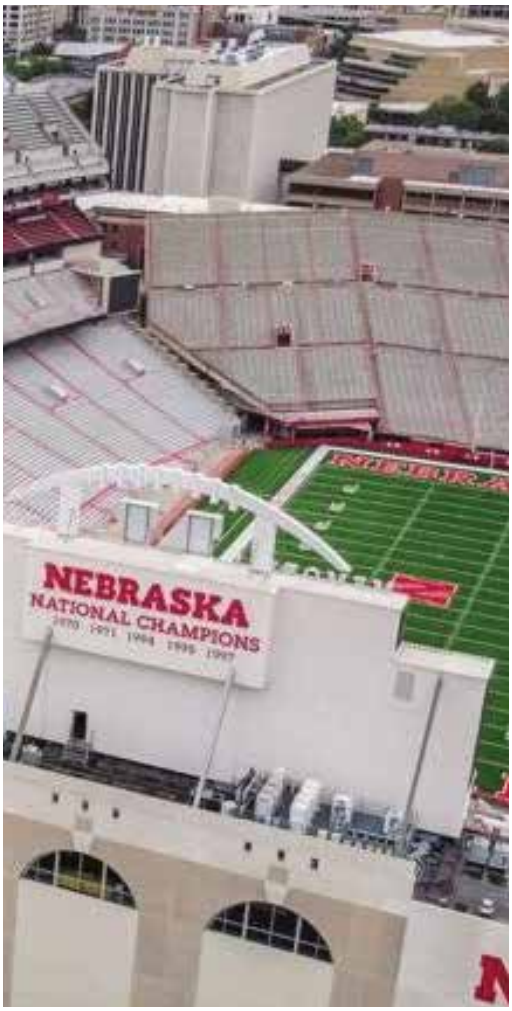
CASE STUDY

A Big Win for Energy Savings

Selecting ArmaFlex as an easy-to-install insulation solution was a game changer for Platte Valley Company contractors who were insulating mechanical systems at the new athletic facility on the University of Nebraska-Lincoln campus. Learn how installers depended on Armacell's elastomeric insulation for its energy efficiency, condensation control, and indoor air quality protection. **Armacell in action.**

www.armacell.us





armacell®

MAKING A DIFFERENCE AROUND THE WORLD

Cornhuskers Complex Wins with ArmaFlex®

Project:
University of Nebraska Facility – North Stadium Expansion

Location:
Lincoln, Nebraska

Distributor:
ICS Products, Inc.

Installer:
Platte Valley Company, Inc.

Challenge:
Save energy on pipes, ducts, vessels, and tanks with a durable insulation product that also controls condensation and is easy to install.

Solution:
Properly insulate mechanical systems with AP/ArmaFlex insulation solutions on both hot and cold systems.

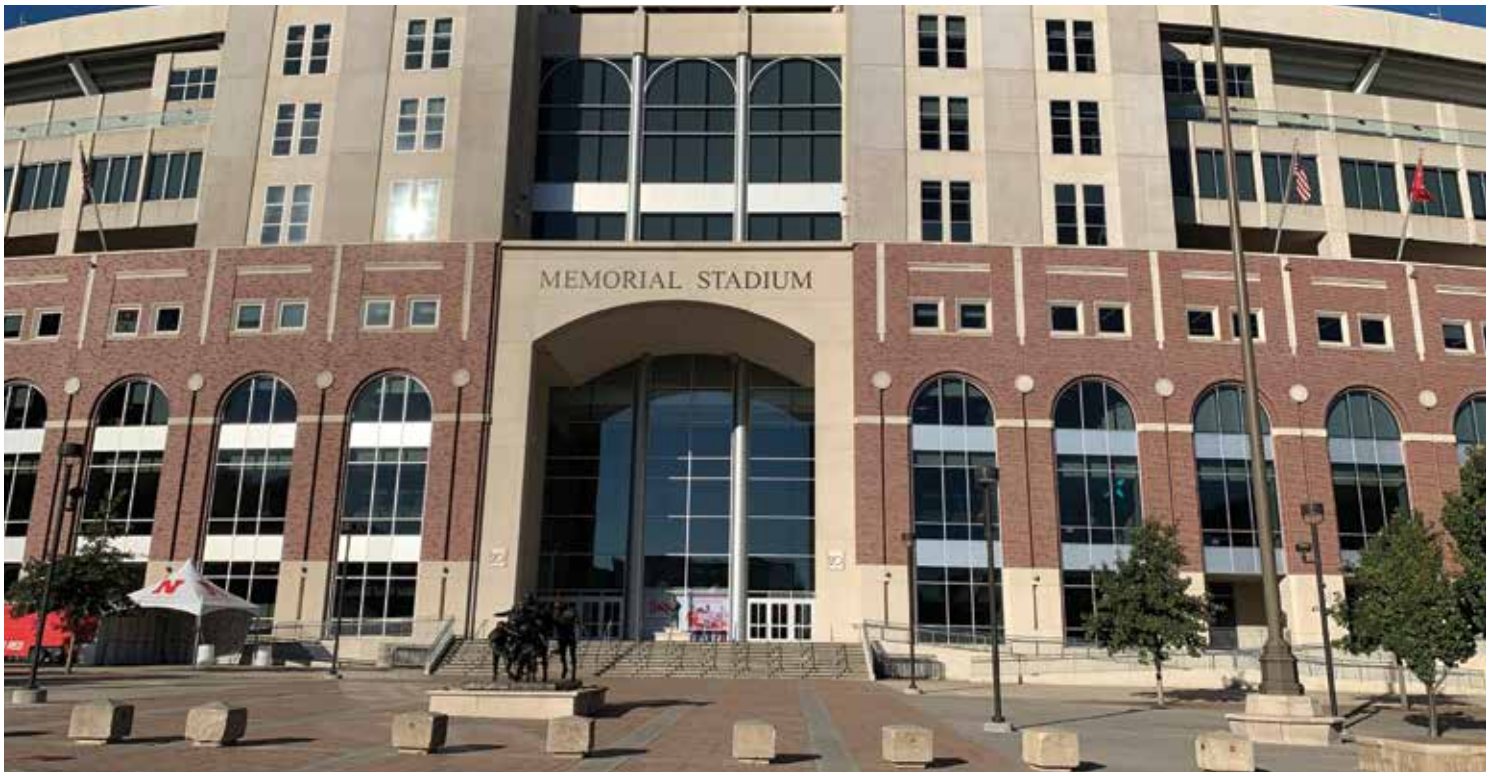
STADIUM SYSTEMS REQUIRE ENERGY EFFICIENCY

Athletic facilities and sport stadiums are essential to a school's culture, community involvement, and student experience. They provide the thread that connects different groups and generations. For many of us our enthusiasm for sports had its beginnings in the stands. These stadiums are cornerstone facilities for fans and athletes that positively impact communities, so developing a sustainable sports building is a win-win for all.

Building sustainability requires thoughtful design and innovative materials with enough flexibility to tackle multiple challenges and add value in unique ways. But even with the best design and materials, environmental impacts, budgets, tight timelines, and supply chain delays can all negatively impact a project's success. To help ease these concerns and ensure game days (and a project's budgets) are a success, sports stadiums and athletic centers must think about energy costs and long-term payback. These large-scale construction projects require contractors and engineers knowledgeable in sustainable design and the best materials because these facilities are meant to not only support athletes but also need to be comfortable enough for attendees to compel them to return every season.

HIGH PERFORMANCE SCHOOLS DESERVE HIGH PERFORMING INSULATION

The University of Nebraska-Lincoln launched their "Go Big" construction



Did You Know?

Warren Buffett, Johnny Carson, and Larry the Cable Guy are all notable alumni of the University of Nebraska-Lincoln.

project to create a new athletic facility housing the Nebraska football program. The $500 million project will provide convenience and benefits for all 600-plus Husker student-athletes and includes a new locker room, strength and conditioning center, athletic medicine facility, equipment room, meeting rooms, coaches' offices, outdoor practice center, and mechanical rooms housing new HVAC and plumping systems. These mechanical systems contain almost 3,000 linear feet of pipe, as well as cold and hot water tanks and vessels requiring superior thermal protection and efficiency. In keeping with sustainable design, contractors need to remember that insulation is the key to increased energy efficiency. When equipment is not properly insulated, energy is lost, costs increase, and there is risk for moisture ingress (which can cause corrosion under the insulation) or even system failure. Using a closed-cell insulation like ArmaFlex, is a smart choice for immediate energy savings and a roughly one-year payback on installed costs.

When Platte Valley Company, Inc. contractors were awarded the project they had confidence that Armacell's AP/ArmaFlex closed-cell insulation would provide long-lasting thermal efficiency with very low maintenance. Contractors with Platte Valley Company, Inc. successfully installed AP/ArmaFlex tubes and sheets on pipes and tanks to insulate mechanical systems. AP/ArmaFlex was the easy-to-install choice and installers had confidence in its durability and longevity. AP/ArmaFlex insulation is also made with Microban® antimicrobial protection to resist mold and mildew growth and is GREENGUARD® Gold Certified to low emission standards with low VOCs and no off-gassing. These benefits protect indoor air quality making ArmaFlex a safe and reliable insulation solution that facilities can trust now and in the future. ■

- Closed-cell structure does not require an additional vapor retarder or jacketing indoors
- Microban® antimicrobial protection resists mold and mildew growth
- GREENGUARD® Gold Certified to low emission standards with low VOCs and no off-gassing
- Flame and Smoke Rated: Meets 25/50 flame and smoke index of ASTM E 84

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,100 employees and 26 production plants in 18 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:
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