

### *inSPIRE Rock Indoor Climbing and Team Building Center, Spring, Texas*



**Description:** inSPIRE Rock Indoor Climbing and Team Building Center is one of the premier climbing centers in the country with nearly 17,000 square-feet of vertical climbing terrain reaching heights of 46 feet. The facility also houses a fitness center, yoga and Pilates studio, child care center and café offering everything from brick-oven pizza to smoothies. In addition to the indoor amenities, inSPIRE Rock features an outdoor state-of-the-art ropes course.

**Challenges:** Common concerns in the construction of any gym often revolve around controlling temperature and noise to ensure satisfied, comfortable members. These factors were compounded with inSPIRE Rock: the facility is located just north of Houston where notoriously hot temperatures and high levels of humidity (an average of 75 percent) often make for poor climbing conditions. Noise also becomes a matter of safety to ensure climbers can clearly hear their partners. Finally, because the facility is a metal building with 46-foot-tall ceilings, the owners recognized the critical role insulation would play in managing energy costs associated with cooling the space.

**Solution:** inSPIRE Rock partnered with Conroe, Texas-based Eskimo Insulation and Huffco Services, Inc. to design and install an insulation solution that keeps the blistering Texas heat outside, minimizes sound transmission and maximizes energy efficiency. Eskimo Insulation applied more than 80,000 board-feet of JM Open-cell Spray Polyurethane Foam (JM ocSPF) insulation to the facility's steel walls. At an R-value of 3.8 per inch, the JMocSPF installed at inSPIRE Rock achieved a total R-value of 15.24 while providing excellent air-barrier performance. Additionally, the acoustical performance of JM ocSPF significantly reduces echoes and resonances inside the building, enabling better communication between climbers and their partners on the ground and ultimately making for a safer, and more enjoyable, climbing experience.

**Location:**  
Spring, Texas

**Building Owner:**  
inSPIRE Rock Indoor Climbing Center

**Contractor:**  
Eskimo Insulation

**Architect & Design Builder:**  
Huffco Services, Inc.

### JM Insulation Solution

JM Open-cell Spray Polyurethane Foam (JM ocSPF)