



PROJECT DESIGN SOLUTIONS

SPORTS ARENAS



PROJECT

Victor J. Riley Arena
Cody, Wyoming

DETAILS

White K-13®
1" Thickness
25,000 Square Feet

Riley Arena offers the opportunity for the residents of Cody, Wyoming to figure skate, play hockey, or enjoy other recreation with family or friends. The arena is also used for conventions that require a large unobstructed floor space.

Management of the arena had received several complaints regarding speech intelligibility and audio quality in the arena. It was determined that the poor

acoustics were caused by reverberation between the highly reflective concrete floor and the metal roof deck. An acoustical test was performed, and a computer model of the arena was generated.

Based on the computer model, varying amounts of acoustical treatment were added to the room digitally and a computerized auralization was performed to evaluate the results.

The model determined that one inch of K-13 to the ceiling deck of the arena would be effective in reducing reverberation. The acoustics of the arena were then retested after the installation of K-13

The installation of K-13 acoustical treatment was successful in reducing reverberation time and improving the

acoustics in the arena. The reduced reverberation time resulted in greatly improved speech intelligibility and audio quality.

The chart below depicts measurements taken before and after the installation of K-13. For more information on this project or a similar application call **800-444-1252** or visit spray-on.com

