



### Project Details

**Name:** Grace Evangelical Church  
Gymnasium  
**Location:** Germantown, Tennessee

### Product Details

**Product:** SonaSpray "fc"  
**Color:** Arctic White  
**Details:** 5,000 Sq. Ft. at 1" Thick



Athletics are an integral part of Grace Evangelical Church, providing meaningful opportunities for students to grow spiritually and athletically while developing leadership and teamwork skills. As with any learning environment, proper acoustics are essential for this space to function effectively, which is utilized for basketball practice, games, church meetings, and special events.

To ensure maximum functionality, speech and music intelligibility, and proper functioning of audio equipment, acoustical treatment was key to controlling echo, reverberation, and excessive noise. To address the need for acoustical absorption, Roland, Woolworth & Associates, an acoustical consulting firm specializing in this type of project, specified 1" of SonaSpray "fc" in Arctic White. Applied to the exposed ribbed metal decking to a minimum thickness of 1", SonaSpray "fc" in Arctic White provides a durable, damage-resistant surface that will look great for years to come.

Unlike hard surfaces and materials, which reflect sound, the application of SonaSpray "fc" absorbs excessive noise, particularly in the hard-to-treat low to mid frequencies, as acoustical analysis of "before" and "after" the application revealed. In addition to acoustical performance, SonaSpray "fc" in White provides high light reflectance, reducing the need for excessive lighting costs.

Click **HERE** or visit our website at <https://www.spray-on.com/videos/> to listen to the before and after audio recorded in the Grace Evangelical Church. Test available upon request.

# ACOUSTIC SOLUTIONS

## FOR SIMILAR SONASPRAY "FC" PROJECTS



**WINDSOR HIGH SCHOOL**  
WINDSOR, COLORADO



**NORTH PLATTE HIGH SCHOOL**  
NORTH PLATTE, NEBRASKA



**EISENHOWER HIGH SCHOOL**  
HOUSTON, TEXAS

### Acoustic Performance

SonaSpray is applied in thicknesses from .5" up to 1" to provide the desired level of acoustical absorption. At 1", SonaSpray provides a NRC of .85.

### Light Reflectance

SonaSpray White, and SonaSpray Arctic White provide high light reflectivity, and can be used to maximize day lighting and reduce the need for excessive lighting.

### Application

SonaSpray is spray-applied, between .5" and 1". It is engineered for application to common substrates and can adhere to complex or irregular surfaces.

### Colorful Options

SonaSpray "fc" is available in standard colors, and can be manufactured in custom, integral colors for unlimited design options.



**BARSTOW HIGH SCHOOL** BARSTOW, CALIFORNIA

During the initial design of the Barstow High School Gymnasium, HMC Group Architects chose SonaSpray "fc" for the acoustical finish. HMC Group Architects needed a product that would eliminate excessive noise and be durable enough for use in the school gymnasium.

SonaSpray "fc" met all of their needs. SonaSpray "fc" was spray-applied at 1" on the underside of the roof deck. The acoustical performance of SonaSpray "fc" when applied at 1" is unequalled for an exposed product. An NRC rating of .90 was achieved in the gymnasium, helping the students and school faculty enjoy their use of the facility.



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