



Project Details

Name: Windsor High School
Location: Windsor, Colorado

Product Details

Product: SonaSpray "fc" Arctic White
Details: .75" Thick

Square Footage

Gymnasium: 21,200 Sq. Ft.
Pool: 14,800 Sq. Ft.



Pools and gymnasiums are two principal locations that are ideal for SonaSpray "fc". Windsor High School had severe reverberation problems in their pool and gymnasium. The flat reflective surfaces produced high reverberation times, making sound unintelligible. The ribbed ceiling also interfered with the dispersion of light from the Mercury Vapor overhead lamps. Additional concerns were mildew from the very humid environment of the pool area and impact damage in the gymnasium.

A 3/4 inch application of SonaSpray "fc" in Arctic White was chosen to accomplish the schools sound, lighting, and mildew objectives. SonaSpray "fc" has an unequaled NRC of .75 when applied at 3/4 inch thickness. The highly light reflective surface of Arctic White SonaSpray "fc" also dramatically brightened the pool and gymnasium (inset). Additionally, SonaSpray "fc" is manufactured with Borates - well known to inhibit mold and mildew growth. Finally, the strong, resilient bond of the adhesive used to apply SonaSpray "fc" provides a durable surface that resists impact damage without the cracking or spalling typical of many plaster or cementitious-based materials.

ACOUSTIC SOLUTIONS

FOR SIMILAR SONASPRAY "FC" PROJECTS

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.

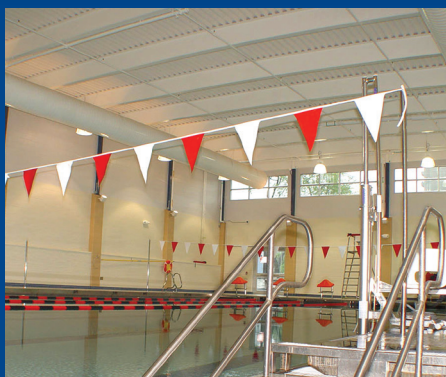
Colorful Options

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



MINGES AQUATIC CENTER GREENVILLE, NORTH CAROLINA

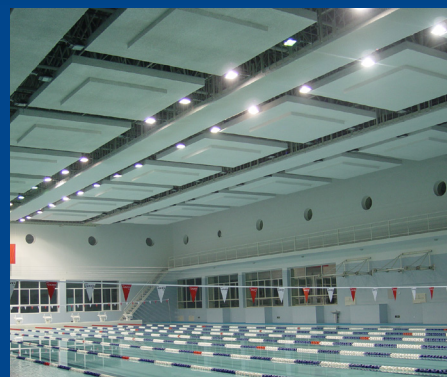
East Carolina University's Minges Aquatic Center was originally constructed in 1968. Following the addition of a new, state-of-the-art filtration system and pipe drain renovation project, the aquatic center underwent an additional renovation to address acoustics and lighting. To address this issue, MHAworks selected a suspended, slat, paneling system, and a 1/2" application of SonaSpray "fc" in Arctic White. Spray-Applied directly to the original Concrete "T" ceiling, and to the top portion of the exposed masonry walls, SonaSpray "fc" covers a total surface area of 34,780 square feet, ensuring maximum coverage for optimum acoustic control. Additionally, SonaSpray "fc" in Arctic White provides high light reflectivity, drastically brightening up the space.



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