



SHEERFILL®



FABRASORB

ACOUSTICAL MEMBRANES



sheerfill.com/product-solutions/fabrasorb



SAINT-GOBAIN

FABRASORB

ACOUSTICAL MEMBRANES

Fabrasorb Acoustical Membranes are used as interior liners in SHEERFILL Architectural Membrane systems. The Fabrasorb material is used to attenuate sound and enhance the thermal characteristics of fabric roof systems. Fabrasorb Acoustical Membrane materials are translucent, non-burning, porous composites based on fiberglass and polytetrafluoroethylene.



Fabrasorb I

Originally designed to reduce noise and reverberation in SHEER-FILL® covered stadiums, Fabrasorb I can be used in any type of structure to provide sound absorption along with the safety and long-life characteristics synonymous with the SHEERFILL brand.



Fabrasorb IA

Retaining good noise reduction characteristics while allowing for slightly higher light transmission than Fabrasorb I, the lower weight Fabrasorb IA provides the same non-combustible properties and long service life as Fabrasorb I.



Denver International Airport



McClain Athletic Facility (Courtesy of Birdair)

FEATURES



LIGHTWEIGHT NOISE REDUCTION

When used as a liner in SHEERFILL® Architectural Membrane systems, Fabrasorb acoustical membrane significantly reduces interior noise levels. In traditional SHEERFILL membrane structures, Fabrasorb appears as an integral part of the roof itself. Ideal for sports complexes and industrial facilities, Fabrasorb allows diffused natural daylight in, while minimizing acoustical disturbance throughout.



IMPROVED CLIMATE CONTROL

In addition to serving as a sound attenuator, Fabrasorb membrane can also improve the thermal characteristics of tensioned fabric structures. By creating an “insulation” layer of air between the outside and air-conditioned interior space, Fabrasorb can increase the R-value of the roofing membrane, while still allowing natural diffuse light to fill the space below.



SAFETY

The Fabrasorb membrane is a translucent, non-combustible, porous composite made with fiberglass and Teflon®. It has a Class A rating, and its overall performance in regard to permanent building codes, including fire codes, is consistent with that of SHEERFILL membrane. Non-combustible properties are inherent in these materials that do not degrade over time.



FOR TRADITIONAL BUILDINGS, TOO

Fabrasorb is not limited for use in tensile membrane structures and roofing membranes. It functions equally well as a new or retrofit sound attenuator in structures made of glass, brick or any other traditional building material. Fabrasorb allows for a creative definition of space within a structure.

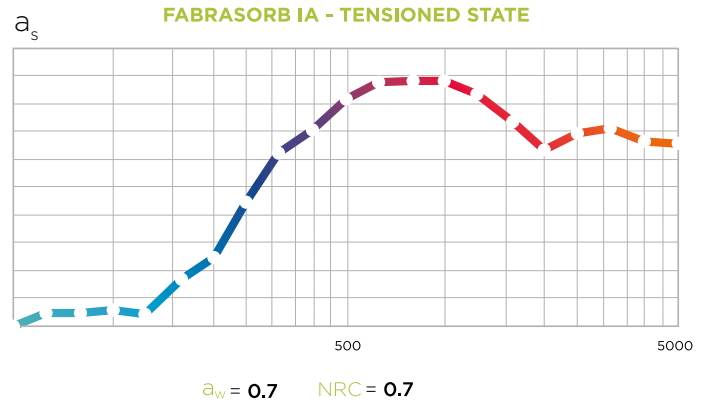
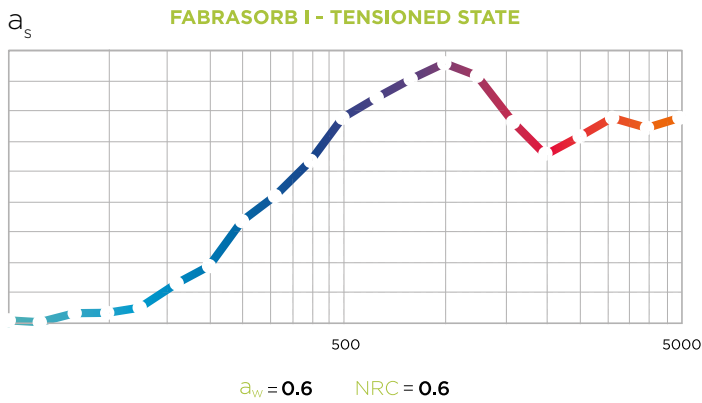


MAKING A QUIET STATEMENT

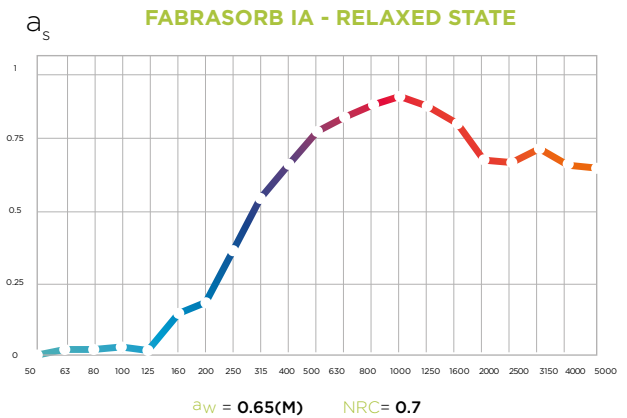
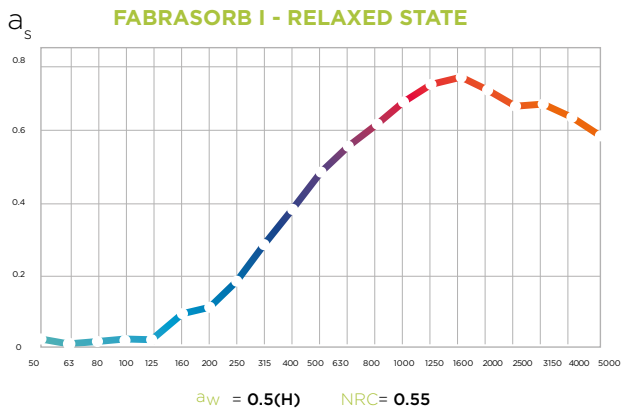
When erected in imaginative ways, a Fabrasorb acoustical membrane canopy becomes a functional and attractive focal point in large halls or atriums. A variety of panel shapes can be combined into almost endless geometric configurations.

ACOUSTICAL PERFORMANCE

STRETCHED



RELAXED



Full test reports are available upon request. Please contact us for more information.

Calexico Port Entry



Shanghai Qizhong Tennis Center



Shanghai Jiaotong University Gym





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MOST INNOVATIVE
COMPANIES
IN THE WORLD

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66
COUNTRIES

945
PRODUCTION
SITES

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MAJOR R&D
CENTERS

1 IN 4
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DEVELOPED IN THE
LAST FIVE YEARS

SAINT-GOBAIN PERFORMANCE PLASTICS

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