

FABRASORB Acoustical Membrane

Typical Properties ¹	FABRASORB I	FABRASORB IA	FABRASORB II
Coated Fabric Weight, oz./sq. yd. (ASTM 4851-88)	14 nominal	10 nominal	8.5 nominal
Thickness, mils. (ASTM 4851-88)	14 nominal	12 nominal	9 nominal
Strip Tensile, lbs./in. (Strain Rate: 2 ins./min.) (ASTM 4851-88)			
Warp	355 min. avg.	300 min. avg.	210 min. avg.
Fill	285 min. avg.	210 min. avg.	180 min. avg.
Strip Tensile After Folding, lbs./in. (ASTM 4851-88)			
Warp	285 min. avg.	285 min. avg.	195 min. avg.
Fill	235 min. avg.	200 min. avg.	165 min. avg.
Trapezoidal Tear, lbs./in. (ASTM 4851-88)			
Warp	30 min. avg.	24 min. avg.	17 min. avg.
Fill	20 min. avg.	19 min. avg.	18 min. avg.
Solar Transmission, % (ASTM E-424)	23 nominal	30 nominal	27 nominal
Solar Reflectance, % (ASTM E-424)	71 nominal	62 nominal	65 nominal
Burning Characteristics			
Flame Spread (ASTM E-84)	0 max.	0 max.	5 max.
Smoke Generation (Tunnel Test)	0 max.	0 max.	15 max.
Incombustibility of Substrates (ASTM E-136)	Pass	Pass	Pass
Sound Absorption, sabins/sq.ft. Frequency 250-4000 hz. (ASTM C 123-89) Noise Reduction Coefficient	0.70	0.55	0.55
Color	White	White	White

¹ Values listed are for virgin roll goods only. Appropriate industry safety factors need to be used to account for the in-service effects of handling, weathering, etc.

The Company's liability is expressly limited by the Company's conditions of sale shown on seller's price list or buyer's copy of seller's order acknowledgment form (if used) and seller's invoice. All technical advice, recommendations and services are rendered by the seller free of charge. While based on data believed to be reliable, they are intended for use by skilled persons at their own risk. Seller assumes no responsibility to buyer for events resulting or damages incurred from their use. They are not to be taken as a license to operate under or intended to suggest infringement of any existing patent.

Saint-Gobain Performance Plastics
 701 Daniel Webster Highway, Merrimack, NH 03054-1137 U.S.A.
 Tel: 603-424-9000 Fax: 603-424-9012 Web: www.sheerfill.com

SHEERFILL and FABRASORB are registered trademarks of Saint-Gobain Performance Plastics Corp.
 Teflon is a registered trademark of E. I. Du Pont de Nemours & Co. (Inc.).

© 2011 Saint-Gobain Performance Plastics Corp., all rights reserved.

Acoustical Membrane

I IA II

Fabrasorb

The name behind the landmarksSM



THE BENEFITS
ARE OBVIOUS,
EVEN WHEN
FABRASORB® ISN'T.

FABRASORB is a family of acoustical membranes. Used primarily as a liner in SHEERFILL® Architectural Membrane systems, FABRASORB can serve as a highly effective and inconspicuous sound attenuator in almost any building.



Cover photo
GEORGIA DOME
ATLANTA, GEORGIA

Membrane fabrication and
installation by Birdair, Inc.
Photography by Robert Reck



RAVENNA SPORTS PALACE
ITALY



SUN DOME FUKUI
SABAE, FUKUI, JAPAN



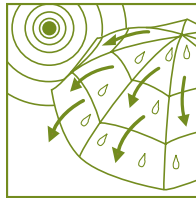
DENVER INTERNATIONAL AIRPORT
DENVER, COLORADO



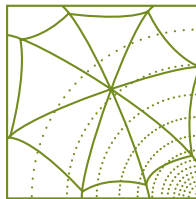
Invisible noise reduction. When used as a liner in SHEERFILL Architectural Membrane systems, FABRASORB significantly reduces interior noise levels. Virtually invisible to the untrained eye, FABRASORB appears as an integral part of the roof. Ideal for sports complexes and industrial facilities, FABRASORB allows diffuse natural daylight in, while minimizing acoustical disturbance.



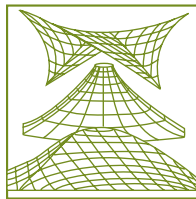
Improved climate control. In addition to serving as a sound attenuator, FABRASORB also improves the thermal characteristics of fabric roof systems. By providing an extra layer of insulation, FABRASORB helps keep inside temperatures cool and comfortable, even under the sweltering heat of direct sunlight.



Superior fire resistance. FABRASORB is a translucent, non-burning, porous composite based upon fiberglass and Teflon®. It has a Class A fire rating, and the overall performance of FABRASORB in regard to permanent building codes, including fire codes, is consistent with that of SHEERFILL.



For traditional buildings, too. FABRASORB is not limited for use in tensile membrane roofs and structures. It functions equally well as a new or retrofit sound attenuator in structures made of glass, brick or any other traditional building material.



Making a quiet statement. When erected in imaginative ways, a FABRASORB 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.

Fabrasorb I
offers maximum noise reduction
and tensile strength.

Fabrasorb IA
offers a lower cost/
performance version of
Fabrasorb I.

Fabrasorb II
allows maximum light
transmission in a
lightweight liner material.

SUN DOME FUKUI
SABAE, FUKUI, JAPAN



DENVER INTERNATIONAL AIRPORT
DENVER, COLORADO

