

INC Sorba-Glas® Sound Absorbing Wall Blankets

Flexible • Easy To Install • Durable • Good Noise Reduction • Economical

INC Sorba-Glas® Wall Blankets combine excellent noise absorption characteristics and durability with an ASTM-E84 Class I Fire Rating. Our fiberglass blanket features an attractive abrasion resistant quilted facing that is impervious to dirt, grease, solvents and airborne contaminants.

Installing INC Sorba-Glas® Wall Blankets in strategic locations will dramatically reduce noise levels without any interruption in production routines, housekeeping activities and work flow. Hanging Sorba-Glas® Wall Blankets on walls, partitions or equipment enclosures immediately lowers overall noise levels and reduces echo, creating a safer and more productive work-space. Increased comfort and easier communication is a very welcome benefit in many noisy areas.

The excellent sound absorption properties of Sorba-Glas® products make solving many reverberation problems with as little as 25-30% coverage of the reflective surfaces. INC Sorba-Glas® Wall Blankets can be mounted anywhere on walls and ceilings and are easily field cut & trimmed to accommodate pipes, windows, and ductwork.



Typical Applications

Sorba-Glas® Wall Blankets provide excellent reverberation control anywhere with hard reflective surfaces and excessive noise such as:



- Manufacturing Facilities
- Warehouses
- Distribution Centers
- Water Treatment Plants
- School Gymnasiums
- Swimming Pools
- Multi-Purpose Rooms
- Correctional Facilities
- Garages
- Firing Ranges
- and many others



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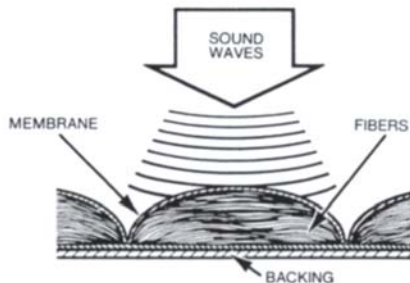
INC[®] Sound Absorbing Wall Blankets

THE MATERIAL

Our high performance Wall Blankets are fabricated from our quilted fiberglass sound absorbing materials called Sorba-Glas[®]. This material is ideally suited for reducing noise levels in harsh environments or where the treatment may be subjected to high traffic and physical abuse.

HOW DOES SORBA-GLAS[®] WORK?

Sorba-Glas[®] features an extremely tough fabric facing. This facing gives Sorba-Glas[®] its excellent resistance to abrasion and damage by dust, solvents and dirt without seriously affecting the acoustical performance. Under normal circumstances a heavy facing would seriously detract from the acoustical performance of an absorber.



The difference with Sorba-Glas[®] is that the tough fabric facing is applied by a method that takes advantage of the *Membrane Principal* of noise absorption. The idea of the *membrane principal* is that sound can pass through (even though the membrane may be relatively thick and non-porous) provided the membrane is free to move under slight air-pressure variations (sound waves). Sorba-Glas[®] uses a special fabricating process which maximizes the compliance of the tough fabric facing. This process allows the membrane to move freely and transmit noise to the inner cavity of fibers, where it is efficiently dissipated.



Sorba-Glas[®] as seen from the back or unfaced side.

Lower Reverberation Time, Reduce Echo & Lower Noise Levels!

INC[®] Sound Absorbing Wall Blankets

Wall Blanket Styles & Options

Design Choices

INC offers several blanket styles to meet any application



Available in 1" and 2" Thicknesses with Facing on One or Both Sides

Wall Blanket Construction Options

- Available in 1" and 2" thickness
- Abrasion resistant quilted facing available on one or both sides
- Standard blankets are 48" wide X up to 16' long
- Blankets are factory sewn and bound on all edges
- Machine set brass grommets for easy installation and reliability
- 250° F maximum temperature range for standard product
- High mechanical strength
- Easily cut and trimmed in the field allowing modifications during installation
- Custom fabrication, special contours, sizes, hanging and fastening options are available
- ASTM E-84 Class I fire rating
- Standard is silver-gray. Available in white, black and tan (minimum orders apply).
- Silicone facing available for 500° F maximum temperature range



Standard 48" x 8'-0" Blanket

Wall Blanket Selection Tips

- Select "*Faced One Side*" when the material will be attached to a wall or other surface
- Select "*Faced Both Sides*" when the material will be free-hanging or otherwise exposed on both sides
- Select "*Faced Both Sides*" for additional durability where product may be removed or handled periodically
- Select 1" thickness for most broad band noise problems
- Select the 2" thickness where noise levels are higher in the lower frequencies bands - below 500 Hz

Blanket Performance Ratings of To NRC=0.80

INC[®] Wall Blanket Acoustical Data

Acoustical Test Data

The following is a sampling of acoustical characteristics of our most popular noise control curtain construction styles. Certified test reports are available from an independent acoustical testing lab.

Sorba-Glas[®] Sound Absorbing Wall Blankets - Acoustical Data

Wall Blanket Style	Mounting	Thickness		Absorption Data by Octave Band Frequency (Hz)					NRC
				250	500	1000	2000	4000	
SG-110 / SG-120	Flush	1"	NR	0.59	0.87	0.84	0.73	0.59	0.75
	Flush	1"	Sabins	18.90	27.84	26.89	23.40	18.90	
SG-210 / SG-220	Flush	2"	NR	0.77	0.88	0.77	0.71	0.63	0.80
	Flush	2"	Sabins	24.64	28.16	24.64	22.72	20.16	

NR / NRC=Noise Reduction Coefficient

Additional INC Product Information

If you are considering an INC Sorba-Glas[®] Sound Absorbing Wall Blankets you may also find these additional INC publications of interest:

- √ **INC Portable Noise Screens** (Bulletin # 000-1001)
- √ **INC Bafi-Sorb[®] Sound Absorbing Baffles** (Bulletin # 009-1001)
- √ **INC Fabri-Sorb[®] Decorative Fabric Acoustical Wall Panels** (Bulletin # 012-1001)
- √ **INC Pani-Sorb[®] Metal Faced Acoustical Panels** (Bulletin # 007-1001)



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