

# Low-Cost, Portable Solution to Excessive Noise Problems!

**CLEARSONIC**  
Manufacturing Inc.

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**SORBER** improves the performance of the ClearSonic Panel by soaking up reflected and direct sound. This stray sound, if not absorbed, could cause the kit to sound more "roomy" than desired. The use of both ClearSonic Panels and **SORBER** baffles provide a complete, cost effective solution to excessive noise problems.

ClearSonic **SORBER** S4-2's and S5-2's are a great tool to have in the studio, on stage, or in rehearsal for fast and portable acoustic control and separation!

All Sorber models are now available in Light Gray as an option to the original Dark Gray.



(2) S5-2L's pictured with vocalist  
(1) S4-2 pictured with trumpet player



(3) S5-2 SORBER



Full set-up with Light Gray SORBER

### S5-2 and S4-2 SORBER Baffles

The 44-inch high model S4-2 and 66-inch high model S5-2 systems are 1.6-inches thick, 4-feet wide and fold in half for easy transport. Use two or three behind your drum kit or one behind your amplifier to absorb a significant amount of acoustic energy that would normally reflect off a back wall and back into the room.

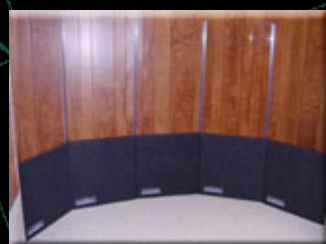


(1) S5-2 in a corner as a bass trap.



Clearsonic A2-4 and S4-2 SORBER

Use free-standing S4-2 or S5-2 SORBER panels in your room corner to create a quick and effective bass trap!



A5-5 with S2 SORBER Sections



S2 SORBER as wall treatment

### S2 SORBER Baffle

The S2 SORBER is a 22 inch by 24 inch section of similarly encased fiberglass that can be used on the lower half of the CSP to cut reflections, or used as wall treatment for studios, basements, church sanctuaries, etc. S2 units can be applied to the ClearSonic Panels using velcro patches that are included.

## SORBER Baffle Features

**\*EFFICIENT NOISE REDUCTION:** SORBER baffles don't just redirect sound - they absorb it! SORBER's [NRC ratings](#) are greater than 90 %.

**\*PORTABLE:** SORBER baffles are very light! The S4-2 weighs a mere 14 pounds while the S5-2 only weighs 19 pounds. Each S4-2 and S5-2 SORBER folds in half and includes a handle allowing one person to easily carry multiple units.

\* **FREESTANDING or TACKABLE:** Set up S4-2 or S5-2 SORBER in freestand mode and avoid messing up your walls by gluing, nailing, screwing, etc. Reconfigure your room setup quickly and easily. Also, SORBER case fabric is "Velcro receptive". If desired, SORBER can be held against a surface using standard Velcro hook. S2 SORBER squares attach to ClearSonic Panels this way.

\* **DURABLE:**  
Made from a super tough carpet "trunk" cloth that can take the abuse of the road!



\* **AESTHETICALLY NEUTRAL:**  
Both the light and dark gray cloth look great from either side!

\* **LOW COST:** SORBER systems are mass produced. Our prices are lower because we take advantage of economies of scale.

\* **FIRE RESISTANT:** All SORBER products have a Class A fire rating.

To be considered 'Class A', a product must have a Flame Spread of less than 25 and a Smoke Developed Index rating of less than 450

SORBER products have a Flame Spread index of 0 and a Smoke Developed index of 65.

Testing was performed by Omega Point Lab using the ASTM E84 Test Standard. [See the actual test results here.](#)

## Acoustic Foam



These inexpensive dark grey acoustic foam panels measure 2 feet by 2 feet and are 3 inches thick at the peaks. They can be used in any application for acoustic treatment, but would need trimming for use on our panels as reflection treatment. See F3 on the [price page](#).  
Sold in pairs (8 sq. ft. per pair)

## Comparing Acoustical Absorption Performance of F3 Foam and SORBER

ASTMC-423 Acoustical Performance charts show that the 3-inch thick F3 foam has an NRC (Noise Reduction Coefficient) rating of 1.00 while 1.5-inch thick compressed rock wool fiber inside SORBER has a rating of 0.9, the same as 2-inch thick foam. This does not take into account that the Fiberglas is covered in a heavy trunk cloth that increases it's coefficient to at least 0.92. SORBER also has the big advantage of being free-standing and class A fire rated. Placing SORBER within 2 feet or so of a wall or corner dramatically increases the "bass trap" characteristics of the product and is more efficient at soaking up low frequencies than wall mounted foam.

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