## The **CornerSorber™**

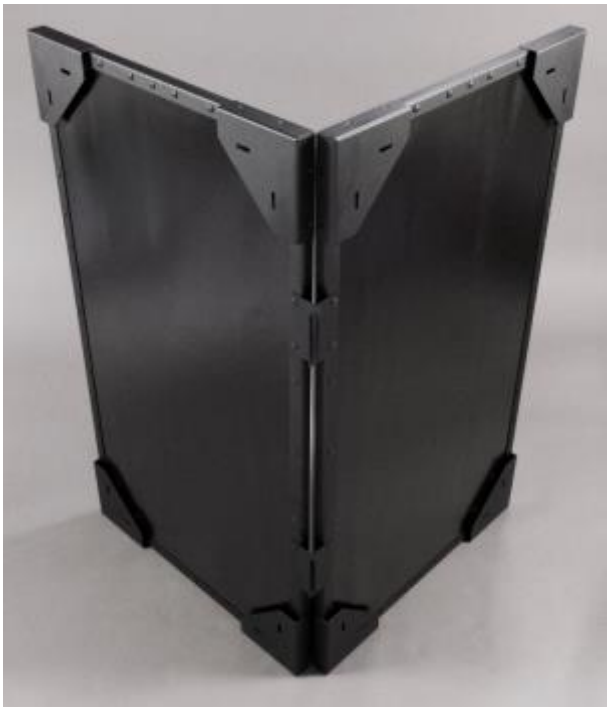
Acoustic Geometry's **CornerSorber** is a corner-placement bass absorber utilizing a Mass-Loaded Vinyl (MLV) absorption membrane in a cutting-edge design that mitigates low-frequency room modes for the most accurate sound reproduction in a room.

The CornerSorber is the only laboratory-proven bass absorber design that achieves maximum pressure-zone room-mode reduction due to close-corner placement. The uniquely-shaped bass absorber is beveled on two sides and the top, allowing a pair of CornerSorbers to be set up three inches from, and parallel with, each corner wall, either vertically or horizontally, for the most efficient and effective reduction of low-frequency room-mode pressure waves.

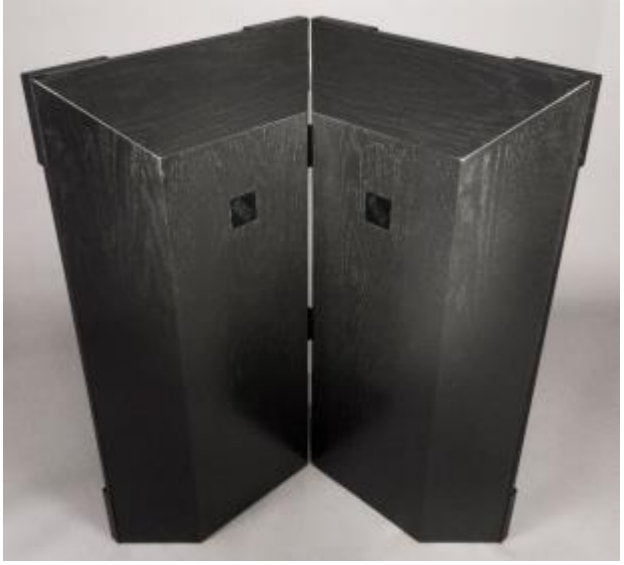
In developing the CornerSorber, our design goal was to build an affordable, easy-to-use solution that would realistically reduce destructive low-frequency room modes. We wanted to avoid claiming product attributes that were not accurately tested in large enough facilities or with real-use positioning. We tested the CornerSorbers at NWAA Labs because their test chamber is the largest in the U.S., and accurately measures absorption down to 40Hz (per ASTM C423-09a). We also tested the products in their real-use mounting configuration, which is deep into ninety-degree corners. The test results prove that this close-corner location makes the CornerSorber a very efficient and effective low-frequency absorber.

CornerSobers are priced at $799.98 per PAIR (plus shipping), and are available through our retail dealers and direct from our online store. Black is standard, other finish options are available.

CornerSorber Membrane Side



CornerSorber Enclosure Side



## The **Acoustic Bass Management™ (ABM) System**

The ABM System allows for a high level of low-frequency performance when utilizing both **CornerSorbers™** and **Curve Diffusors™,** which also feature accurately-lab-tested low-frequency MLV membrane absorption. The combination has a complementary range of frequencies that produces consistent bass-energy absorption from 200Hz to 45Hz, corresponding to room-mode dimensions from 5.5 feet to 25 feet.

The CornerSorber's form factor of 24" by 42", with a 6" depth, allows both a small footprint and either vertical or horizontal orientation. The ideal acoustic-treatment solution for nearly any room is a combination of Curve Diffusors and CornerSorbers - Curves smoothly diffuse mid and high frequencies, and along with CornerSorbers, evenly control frequencies below 200Hz. This cost-effective system can be used in many applications, including recording and mastering studios, video production and post houses, audiophile listening rooms, home theaters, live-performance and event venues, concert halls and auditoriums.

Acoustic Geometry tested both the Curve Diffusor and the ABM CornerSorber for low-frequency absorption per ASTM C423-09a at NWAA Labs in Elma, WA., which has the world's largest absorption test chamber (approx. 738 Cubic meters), which can test accurately with better than 95% precision and bias (variation) down to 40Hz.

The tests were conducted with the test units mounted as they would be in real-use configuration. Curves were mounted on the test wall (A-Mount) with standard Z-Clips, covering 120 square feet, the NWAA Labs standard minimum test-sample area. CornerSorbers were mounted on the floor, oriented horizontally in close-corner configuration, with 18 units covering 126 square feet (accounted for in calculations), grouped six units per corner, in three of the test chamber's corners.

The following absorption charts are in sabins, which are the actual measured units of sound absorption (as opposed to less-reliable Absorption Coefficients) with suggested combinations of Curves and CornerSorbers, and separate Curve and CornerSorber test results for the units shown in the combination chart. The Combination chart utilizes single-unit sabin amounts multiplied by number of units in each suggested example. The CornerSorber and Curve charts show absorption in sabins for the units as tested.