

ENGINEERING DATA SHEET

G-TRAP™

Primacoustic G-Trap is a stand-alone combination broadband absorber and bass trap that helps control excessive bass in a room while acting as a sound barrier gobo (go-between) in the studio. Sound absorption is achieved by combining three acoustical principles into a single device: to handle mid-range and upper frequencies, two 2" thick absorptive panels are mounted on the front and back. These are made from 6 lbs. per cubic foot high-density encapsulated fiberglass. Between the acoustic panels is a ridgid membrane that acts as a sound block for high frequencies and as an impedance barrier for low frequencies. An air cavity is created by the plywood enclosure which serves to further attenuate bass in the troublesome 100Hz region. The G-Trap enclosure is made from Baltic brich plywood with an easy to clean natural wood finish. The G-trap ships flat to save freight and is takes about 15 minutes to assemble!

SPECIFICATIONS:

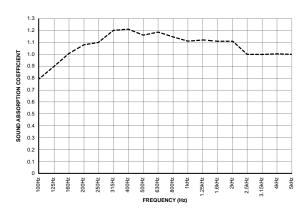
Frame Material	Baltic Birch Plywood with dovetail corner joints			
Dimensions	36" (914mm) x 24" (609mm) x 10" (254mm)			
Panel Material	Formed, semirigid inorganic glass fibers; Density 6.0 lbs pcf (96 kg/m3)			
Fabric Facing	Acoustically transparent polyester			
Ridgid Membrane	1/4" hardboard.			
Order Number	Z840-1120-xx (xx denotes color code 00=Black; 03= Beige; 08=Grey)			

ABSORPTION CHARACTERISTICS*:

Sound absorption data (NRC values).

50Hz	80Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	5kHz
0.95	1.10	1.20	1.08	1.29	1.22	1.15	1.05	1.00

*Theoretical absorption based on Broadway panel test results and 1/4 wavelength calculation.

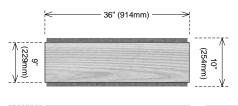


FIRE & BURN PERFORMANCE:

TEST	CLASS	FLAME SPREAD	SMOKE DENSITY		
ASTM E 84-05*	1 OR A	15 FSI	155 SD		
CAN/UL-S102	1 OR A	15 FSC1	155 SD		
Test data provided by Bodycote Materials Testing Inc.					

*Fire and burn test data applies to the acoustic panel only and does not include the plywood encasement for fire-hazard or fire-risk assessment. Please consult your local building authority and/or insurance underwriter to ensure the product meets local building codes.







Baltic Birch plywood construction with dovetail corners provides rigid outer frame.

Natural finish is durable, easy to clean and looks great!

Deep 8" cavity assists in trapping bass and controls lower mid range frequencies and standing waves.

Ridgid membrane blocks and reflects sound back through the absorbing fiberglass panel.

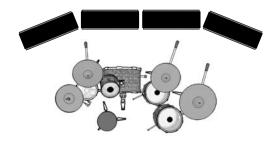
High density fiberglass panel absorbs high frequencies and helps eliminate flutter echo.

Resin treated edges work with the micro-mesh to fully contain glass fibers from escaping.

Acoustically transparent fabric covering presents a professional architecturally attractive look.

APPLICATION:

G-Trap shown as go-between to isolate drums.



Primacoustic is a division of Radial Engineering Ltd. • 1638 Kebet Way Port Coquitlam, BC • Tel: 604-942-1001 Fax: 604-942-1010 • www.primacoustic.com • info@primacoustic.com Primacoustic Engineering Data Sheet • Part #Z870 2030 00 • Copyright © 2008 • Subject to change without notice.

