



EFPs provide a quick and effective solution for reducing background noise and reverberation in gymnasiums and other athletic facilities.



A more pleasant acoustic environment can be readily achieved in health clubs and spas by installing EFPs on walls and/or ceilings of the rooms.

## Condensed Specifications

Acoustical treatment in the \_\_\_\_\_ shall be Eckoustic Functional Panels as manufactured by ECKEL INDUSTRIES, INC., Cambridge, MA.

PANEL FACINGS shall be fabricated of 22 gauge perforated zinc coated steel or .032 alloy aluminum, "V" ridged on 6" centers to a depth of 3/4" and suitably stiffened with transverse framing members. There shall be a minimum of two framing members on Panels up to 8' in length. Panels over 8' in length shall have three framing members.

FRAMING MEMBERS shall be manufactured from 20 gauge zinc coated steel or aluminum. Each framing member shall be supplied with two 1/4"-20 blind threaded inserts for attachment of Panel to mounting bracket. (Inserts must meet the following specifications: ASTM-B117, and MIL-B-202C. Tensile strength shall be at least 220 pounds per insert in 20 gauge steel.) 3/4" 1/4-20 bolts shall be supplied with lock washers for attachment of the 11 gauge wall or ceiling brackets.

ACOUSTICAL INSULATION shall be 2" thick fine fibered, fibrous glass having a density of not less than 1.5 lbs./cu.ft. and meeting Federal Specification H.H. 558, Form B, Type 1, Class 7.

LABORATORY TEST DATA: Independent laboratory test data shall be provided to verify the sound absorption characteristics of the Panels. Test shall be conducted per ASTM-C-423 and shall exhibit at least the following sound absorption as expressed in sabins for a standard 30" x 120" Panel with two mil flame guard polyethylene wrapped acoustic filler.

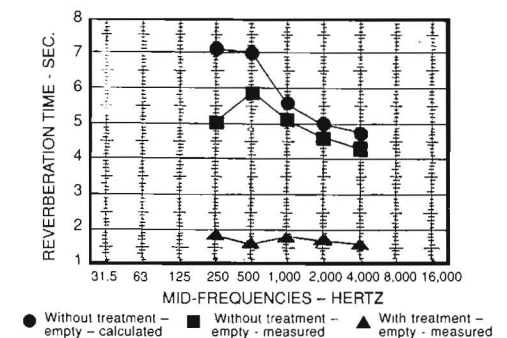
SOUND ABSORPTION (sabins/panel)					
125	250	500	1000	2000	4000 Hz
6.2	20.5	35.2	34.5	31.5	33.1

A fire test of the panel system shall be provided, if this option is required. The test shall be conducted per ASTM-E84 and shall demonstrate no more than: flame spread 10 and smoke density 5.

FINISHES: Standard finish is white polyurethane enamel. Colors may be specified from manufacturer's standard paint chart.

Four support brackets per Panel shall be provided for either ceiling or wall mounting, as required.

Eckoustic Functional Panels shall be dispersed on ceiling and wall areas to provide a relatively uniform distribution of absorption.



Other Eckel architectural panel systems include:

- Textured Functional Panels (TFPs)
- Acoustic Lay-in Panels (ALPs)
- Delta-Acoustic Panels

Eckel also offers engineered panel systems for industrial noise control applications.



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Specifications are subject to change without notice.

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