

# FABRI-LOK<sup>®</sup> MODULAR WALL AND CEILING BAFFLES

**WALLWORKS•ACOUSTIC•ARCHITECTURAL•PRODUCTS•INC.** offers a complete range of standard and custom, pre-manufactured acoustic ceiling and wall baffles in a wide array of sizes, styles and colors to suit any design requirement. FABRI-LOK<sup>®</sup> Wall and Ceiling Baffles provide superior sound absorption combined with an unparalleled variety of aesthetic styles to meet any design.



## Description

FABRI-LOK<sup>®</sup> Wall and Ceiling Baffles are factory assembled units which are available in Rigid, Soft, and Linear™ styles and are designed to give superior uniform sound absorption in open spaces.

## Recommended Uses

FABRI-LOK<sup>®</sup> Wall and Ceiling Baffles are typically mounted on walls or ceilings to suit project and specific noise control requirements. These Wall and Ceiling Baffles work well in any large spaces where an overall reduction of the noise level is required - such as warehouses, production plants, swimming pools, gymnasiums, sport facilities, and many others. The baffles are typically designed to be mounted away from wall or ceiling surfaces so they can provide maximum sound absorption benefit.

## Product Close Up

FABRI-LOK<sup>®</sup> Wall and Ceiling Baffles display exceptional absorption characteristics in all design styles while maintaining maximum flexibility for the designer. The baffles are constructed from a variety of acoustical cores and may vary in size from 610 mm x 1219 mm (24" x 48") up to 1219 mm x 30480 mm (48" x 100'). They may be rigid-structure units or flexible "pillow" styles and are finished in a selection of acoustically transparent fabrics, vinyls, nylons, and other to match or contrast with adjacent finishes. **The Ultimate in Design Flexibility**

## Variations

There are three standard styles of FABRI-LOK<sup>®</sup> Wall and Ceiling Baffles.

**FABRI-LOK<sup>®</sup> Rigid Modular Baffles**

**FABRI-LOK<sup>®</sup> Soft Modular Baffles**

**FABRI-LOK<sup>®</sup> Linear™ Series Pillow Baffles**

In each of these series, the designer can determine the size, shape, color, and layout to suit the project.

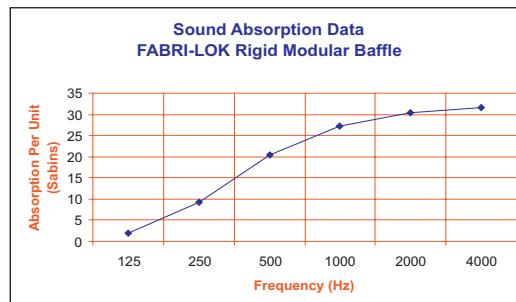
The FABRI-LOK<sup>®</sup> **Rigid Modular Baffle** is available as a standard 610 mm x 1219 mm x 50 mm thick (24" x 48" x 2") unit with a core of 50 mm high performance acoustical fibreglass, wrapped in a 100% polyester fabric, with a rigid PVC frame. Standard mounting system is steel hook rings, factory applied (two per baffle).

The FABRI-LOK<sup>®</sup> **Soft Modular Baffle** is a tailored edge baffle without the rigid edge framework surrounding the fabric-wrapped acoustical core. Brass grommets are integrally placed into the top sewn header.

The FABRI-LOK<sup>®</sup> **Linear™ Series Pillow Baffle** is a cost effective choice when larger baffles are required (either to provide specific absorption characteristics or as a design element). The ASI™ Linear™ Series Baffle can be standard as a 1219 mm x 10,160 mm x 38 mm thick (48" x 30' x 1½") unit with a 25 mm (1") hem on all four edges with brass grommets placed approximately every 48" along the entire perimeter, for fully flexible suspension options.

## Acoustic Performance

The graph shows the absorption rating of a standard 610 mm x 1219 mm x 50 mm (24" x 48" x 2") FABRI-LOK<sup>®</sup> Rigid Modular Wall and Ceiling Baffle with standard fabric or perforated vinyl finish. Sound absorption characteristics of the baffles can be tuned to meet virtually any noise control requirement.



**WALLWORKS•ACOUSTIC•ARCHITECTURAL•PRODUCTS•INC.**

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## SPECIFICATIONS:

### PART 1 - GENERAL

#### 1.01 SCOPE OF WORK

- .A Supply and Install FABRI-LOK® Wall and Ceiling Baffles as supplied by WALLWORKS•ARCHITECTURAL•ACOUSTIC•PRODUCTS•INC. (Phone: 403-255-3550, Fax 403-686-2592) and as required by contract documents.
- .B Related Work Specified Elsewhere
  - .1 Preparation of smooth flat and plumb substrate.
  - .2 Architectural Woodwork, Masonry, Doors, Frames, Hardware Gypsum, Drywall, Plastering, Ceilings, Wall Coverings, Painting and Electrical Work.

#### 1.02 STANDARDS

The panel assembly shall be class "A", non-combustible as defined by ASTM E-84 and have a minimum absorption of 13.2 Sabins per unit when tested in accordance with ASTM C-423-81 A.

#### 1.03 QUALITY ASSURANCE

The installation work of this section shall be performed by an authorized Installer/Dealer certified by the manufacturer. Submit in writing to the Owner, through the Architect, the manufacturer's Installer/Dealer certification.

#### 1.04 SUBMITTALS

- .1 Submit manufacturer's product specification and other such data as may be required to show compliance with Contract Documents.
- .2 Submit duplicate sample baffles, 10" x 10" with the specified finish and mounting system for Architect's review prior to fabrication.
- .3 Submit manufacturer's standard one-year warranty against defects in supplied materials and workmanship.

#### 1.05 PRODUCT HANDLING

- .1 Store all materials off the ground and protected from dirt and dust.
- .2 Handle materials in a manner that will protect them from damage and soiling.

### PART 2 - PRODUCTS

#### 2.01 CEILING BAFFLES

- .1 **CORE:** The core of the baffles shall be made of (select one) inert 1 1/2, 3, 4, 6 lbs/ft density. 1/2", 1", 1 1/2", or 2" thick non-combustible and dimensionally stable fiberglass (according to panel style selected).
- .2 **MOUNTING:** The baffles shall be suspended by the factory installed rings, eyelets, or custom mounts as per manufacturer's standard. (for all baffle types)
- .3 **FINISH:** The panel shall be covered with \_\_\_\_\_ fabric. Fabric shall be stretched taut, bonded at face and edges, with return of 1 1/2" onto the back of the panel.
- .4 **EDGES:** The edges shall be Type SE, BE, RE or custom as shown on the drawings.
- .5 **DIMENSIONS:** The baffle dimensions shall be as shown on the drawings and finished schedule, however field dimensions must be taken by the contractor prior to ordering and installing the acoustical baffle. The baffles shall have a tolerance of +/- 1/8".

#### NOTE:

- .1 For fabric: Specify manufacturer's name, type of fabric, content, pattern repeat, width, weight, and color/s.
- .2 For vinyl: Specify manufacturer's name, type of vinyl, weight (usually 13 oz.), color and if perforated, size of perforation (usually .045" diam.) and percentage open area (usually 18%). Finish shall be stretched taut, laminated on the face and edges and with a return of 1 1/2" onto the back. Finishing material must be seamless.

### PART 3 - EXECUTION

#### 3.01 EXISTING CONDITIONS

- .1 Examine the condition of the substrate and the conditions under which the work of this Section is to be performed. Notify the Contractor, in writing, of any unsatisfactory conditions. Do not proceed with work until unsatisfactory conditions have been corrected in a manner satisfactory to the installer.
- .2 Do not install wall or ceiling panel until:
  - .1 The space has been enclosed and is weather tight.
  - .2 All wet work has been completed and is dry.
  - .3 Painting is completed and wall base and floor covering installed.
  - .4 Adjacent and related work of other trades has been completed including Woodwork, Masonry, Doors, and Frames, Hardware, Gypsum, Plastering, Wall Covering, Painting, Ceiling and Electrical Work.
  - .5 Ambient temperature and humidity are continuously maintained at values indicated for final acceptance of building or occupancy of space.

#### 3.02 INSTALLATION

- .1 Install the panels plumb and straight as per manufacturer's instructions.
- .2 Co-ordinate work with mechanical and electrical trades.

#### 3.03 CLEANING AND PROTECTION

- .1 Clean exposed surfaces of wall panels.
- .2 Remove surplus materials, rubbish, and debris resulting from the installation.
- .3 Cover fabric panels with clear vinyl if required by site conditions and specifications.



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