

Wallworks Acoustic Architectural Products Inc. has a complete range of standard and custom pre-manufactured acoustic ceiling and wall panels available in a wide array of styles and colors to suit any design requirement. Flexible in Form and Function - Wallworks Modular Wall and Ceiling Panels offer a variety of acoustic cores, edge profiles, and vinyl or fabric finishes to select from.



Description

Wallworks Modular Wall and Ceiling Panels are the premiere choice for applications which require fully pre-manufactured, high performance acoustic panels. Wallworks Modular Wall and Ceiling Panels can be acoustically "tuned" to provide specific absorption characteristics while providing a superior architectural finish.

Recommended Uses

Wallworks Modular Wall and Ceiling Panels are suited for either wall or ceiling applications using a variety of exposed or concealed mounting systems. The panels may be mounted directly against a substrate, or floated to alter the absorption characteristics. Areas that can benefit from the use of Wallworks Modular Wall and Ceiling Panels include schools, theatres, offices, media rooms, restaurants, assembly areas, arenas, rinks, swimming pools, and more.

Product Close Up

Wallworks Modular Wall and Ceiling Panels provide exceptional flexibility for design and application while maintaining high sound absorption qualities. The panels have standard and custom edge profile options and can be finished with a selection of acoustically transparent fabrics, vinyls or textured paintable surfaces to match or contrast with virtually any design requirement.

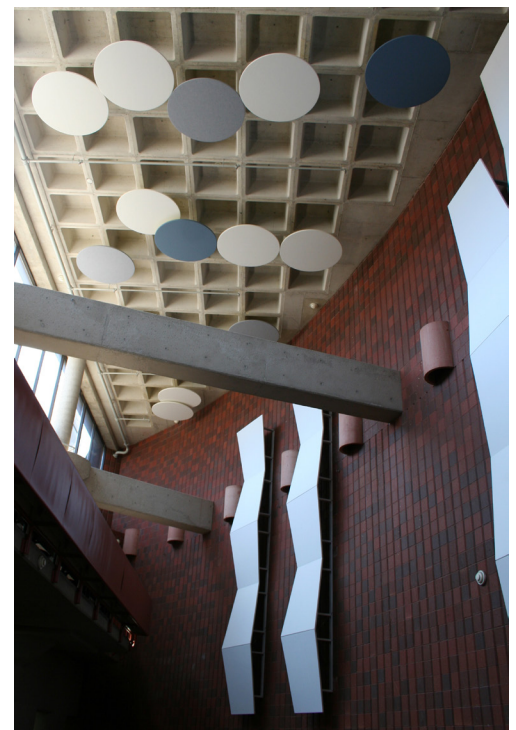
Fire Performance

Wallworks Modular Wall and Ceiling Panels have been tested and certified to meet CAN/ULC S102 specifications.

Variations

Standard Wallworks Modular Wall and Ceiling Panels are constructed with a core of high density fibreglass board in thickness from 12 mm (1/2") to 100 mm (4") reinforced with a chemically hardened edge. Panel sizes may be based upon site requirements with some restrictions relevant to board size and application.

Edge profiles available are - Square (standard), 1:1 Bevel, 1:2 Bevel, Ogee, 1:1 Radius, and 1:2 Radius. The panels may be finished (wrapped) in a wide selection of different types of fabrics or vinyls - patterned, plain or custom printed. Custom edge profiles and finishes are available. Please contact our office for further information.



Acoustic Performance
NRC Rating:

1/2"50 - .60
1"80 - .90
1 1/2"90 - 1.00
2"	1.05 - 1.15

Contact our sales team for detailed options and pricing:

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Find us on:





SPECIFICATIONS:

PART 1 - GENERAL

1.1 SCOPE OF WORK

- .A Supply and Install WALLWORKS® Wall and Ceiling Panels as supplied by WALLWORKS Acoustic Architectural 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.

1.2 STANDARDS

The panel assembly shall be class "A", non-combustible as defined by CAN/ULC S102 and have a minimum NRC of 0.85 when tested in accordance with ASTM C-423-81 A.

1.3 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.

1.4 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 panels, 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.

1.5 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

2.1 WALL PANELS

- .1 CORE: 4 to 6 lbs/ft3 density, non-combustible and dimensionally stable fiberglass. [1/2"] [1"] [2"] [3"] thick fiberglass. Ensure that the panels do not twist, warp, bow or bend after installation
- .2 MOUNTING:
 - .1 Adhesive: Apply standard wall adhesive as per manufacturer's recommendations, on the back of panels, with a maximum spacing of 36" on the horizontal and 24" on the vertical (min. 4 spots per panel).
 - .2 Mechanical: Mechanically fasten galvanized steel (or aluminum) clips on the back of the internally reinforced panels, with a matching reversed track, in 2" lengths leveled and attached to the wall surface. The maximum spacing of the clips shall be 36" on the horizontal and 48" on the vertical (min. 4 pieces per panel).

NOTE:

- .1 Select thickness of fiberglass as per acoustical value requirements.
- .2 For tackable panels, use tackable surfaced Fiberglass (or) 1/8" high density cork may be laminated to the core beneath the fabric.
- .3 For High Impact Resistant panels use Fiberglass Scrim Facing laminated to the Fiberglass core beneath the fabric (or) High Density (18 lb.) Glastrait or equal laminated to the Fiberglass core beneath the fabric. Optionally the edges may be PVC hardened and have a minimum hardness of .42 on the Barcol scale.

2.2 CEILING PANELS

- .1 CORE: The core of the panels shall be made of 4 to 6 lbs/ft3 inert non-combustible and dimensionally stable fiberglass. The panels shall not twist, warp, bow or bend after proper installation and they shall have a nominal dimension of _____ x _____. [The edges of the panels shall be PVC hardened and have a minimum hardness of .42 on the Barcol scale.
- .2 MOUNTING: Mount the panels on _____ module exposed or concealed "T-bar" system or other suspended system.

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, color and if perforated, size of perforation and percentage open area. Finish shall be stretched taunt, 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

3.1 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.

3.2 INSTALLATION

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

3.3 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 specification.

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