

# ACOUSTEX-PLANK ACOUSTICAL WALL & CEILING PANELS



## APPLICATION

*Acoustex-Plank Acoustical Wall & Ceiling Panels* are excellent for use in multi-purpose rooms, aquatic centres, arena's and gymnasiums where abuse resistance and noise reduction are required.

## CONSTRUCTION

*Acoustex-Plank Acoustical Wall & Ceiling Panels* are a combination of an exclusive blending of water resistant Portland cement and high quality excelsior wood fibres. The proprietary bonding of these two time-proven construction materials results in a compact, decorative acoustical panel with an excellent ability to resist abuse and moisture.

## SIZE AVAILABILITY

Available thicknesses are: 25mm, 35mm, and 50mm  
Width: 600mm  
Lengths: 600mm – 2400mm

## EDGE DETAIL

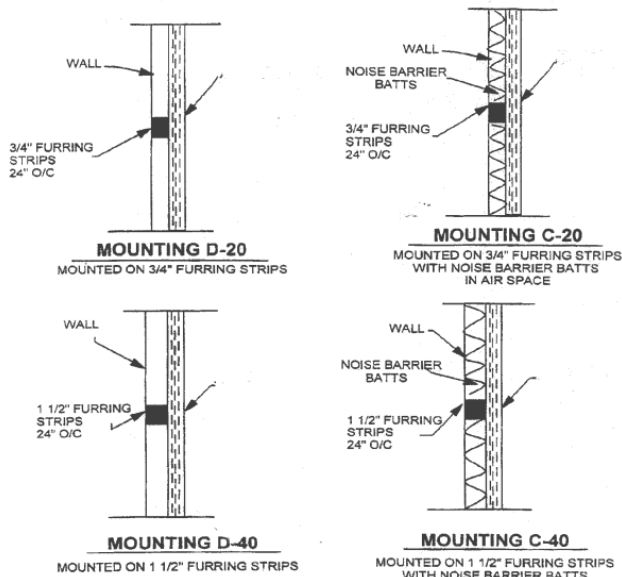
Beveled long edges, Square ends.

## COLOURS

Natural, Factory White and Custom

## MOUNTING

Standard mounting includes wall bar to wall bar and spline.



## OUTSTANDING ACOUSTICAL PERFORMANCE

*Acoustex-Plank Acoustical Wall & Ceiling Panels* are increasingly preferred as a reliable and thoroughly tested product, recognized as contributing to a healthy indoor climate. The panels are asbestos-free as well as being free of mineral wool fibres. Technical advances in the production process have led to the panels being suited to almost any type of construction. In particular, the panels have gained a footing with schools, exhibition centres, industrial buildings, leisure and aquatic centres.



## ACOUSTICAL PERFORMANCE

The following Noise Reduction Coefficients are available:

Thickness	Mounting				
	A	C-20	C-40	D-20	E-400
25mm	0.40	0.80	0.85	0.45	0.45
35mm	0.55	0.85	0.90	0.60	0.50
50mm	0.60	0.90	0.95	0.65	0.60



## FIRE PERFORMANCE

*Acoustex-Plank Acoustical Wall & Ceiling Panels* have a Class 1 rating and are CAN/ULC S-102 tested and certified. The Natural panels have a Flame Spread of 0 and a Smoke Develop of 0. The Painted panels have a Flame Spread of 0 and a Smoke Develop of 5.

## RECYCLED CONTENT

Plank waste is suitable for composting processes because the high proportion of lime (CaO: approx. 34% by weight VS) assists in accelerating the composting process, and the fibre structure improves the quality of the compost. Plank waste can also be burned in incinerators at waste disposal sites and here the material contributes to combustion (net calorific value approx. 1,000kcal/kg VS).

## WARRANTY

*Acoustex-Plank Acoustical Wall & Ceiling Panels* have a lifetime warranty against breakage.

# ACOUSTEX-PLANK ACOUSTICAL WALL & CEILING PANELS – SPECIFICATIONS

## PART 1 GENERAL

### 1.1 SCOPE

The work consists of furnishing all labour, materials, accessories, and equipment necessary to cover all areas as shown on the drawings for the complete acoustical installation and specified herein with ACOUSTEX-PLANK Wall & Ceiling Panels.

### 1.2 QUALIFICATIONS

The Acoustex-Plank Wall & Ceiling Panels described herein shall be ACOUSTEX-PLANK products as manufactured by Acoustex Specialty Products 289-389-5564. ACOUSTEX-PLANK shall be composed of Portland cement and high quality excelsior wood fibres.

**SUBSTITUTIONS:** No Substitutions Permitted

**SUBMITTALS:** Drawings showing fabrication and installation details for ACOUSTEX-PLANK, including plans, elevations, sections, details, and attachments to other work. Manufacturer's technical literature sufficient to verify compliance with performance requirements.

**SAMPLES:** Submit samples of the Panel, large enough to illustrate colour, detail and texture.

### 1.3 DELIVERY AND STORAGE OF MATERIALS

Protect material from moisture. Materials on site shall be stored under cover on blocking. Panels exposed to moisture may stain requiring additional painting or panel replacement.

### 1.4 BUILDING CONDITIONS

All interior trades involving moisture, dust, dirt, air-borne particles shall be completed before installation begins. Installation shall take place after the building is completely closed in, temperature and humidity are approximately that at which the building will operate. Materials shall be located in the building 24 hours prior to installation, with packaging opened, to climatize the panels.

## PART 2 MATERIALS

### 2.1.1 ACOUSTEX-PLANK WALL & CEILING PANELS

Panels shall be ACOUSTEX-PLANK, composed of Portland cement and high quality excelsior wood fibres.

#### SIZE AND THICKNESS:

The ACOUSTEX-PLANK Wall & Ceiling Panels shall be: 25mm and 35mm thick, 600mm wide and standard lengths up to 2400mm long. 50mm thick, 600mm wide and standard lengths up to 2000mm long.

#### ACOUSTICAL PERFORMANCE:

Panels shall have a minimum NRC of \_\_\_\_ (please specify) in accordance with ASTM C-423 (Type "A" Mounting).

**EDGE DETAIL:** Bevel or Square

#### OPTIONAL EDGES:

Beveled Four Sides  
Rounded Edges  
Square Edges  
Ship Lap Edges  
Ship Lap with Revel (up to 12mm revel)  
Tongue and Groove

#### SURFACE FINISH:

Finish shall be natural/factory white/custom paint/fabric wrapped – fabric tested to S102 Fire Code

**Incombustibility:** Natural

**Flame spread:** 0

**Smoke Developed:** 0

**Incombustibility:** Painted

**Flame spread:** 0

**Smoke Developed:** 5

ACOUSTEX-PLANK Panels are ULC Listed (Class A)

### 3.1 INSTALLATION:

All installation shall be in accordance with the Ceiling & Interior Systems Construction Association's Code of Practices. Available from C.I.S.C.A. 630-584-1919. Installation of Acoustex-Plank Products shall be installed by an experienced or qualified contractor.

#### 3.1.1 Mechanical Fastening to Furring

Nominal \_\_\_\_mm by \_\_\_\_mm fire rated metal or wood furring strips shall be secured to the wall, spaced 600mm o/c maximum, perpendicular to panel direction. Panels shall be fastened to each furring strip using screws and Adhesive spaced 600mm o/c maximum. Screws shall be installed flush or countersunk 1/16". Screws to be painted. Head screws or screws shall be painted to match unless otherwise specified.