

# Acoustic Wall Panels



Broadway Wall Panels are a professionally proven acoustic solution offering balanced broadband absorption to improve clarity and intelligibility in spaces of any size. They may be installed in various configurations to address specific challenges, including high-end harshness, low-frequency muddiness, and distracting noise across the entire frequency spectrum.

A high-density, sound-absorption treatment, Broadway Wall panels are available in multiple formats and thicknesses, and are particularly effective for eliminating sonic reflections, echoes, and reverberation in rooms with parallel walls.



## Construction

**Core Panel Material:** Formed, semi-rigid inorganic glass fibres.

**Backing:** Glass wool tissue micromesh.

**Fabric Finish:** Acoustically transparent Polyester fabric.

**Paintable Finish:** Paintable Absolute White™ latex coating.

**Edge Treatment:** Sealed and hardened with Resin.

**Density:** 61b/ft<sup>3</sup> (96kg/m<sup>3</sup>)

**Recycled Content:** Up to 51%

**EPD & HPD declarations are available on request.**

## Available Options

### Dimensions

#### 1x4 Panel

12 x 48" (305 x 1,219mm)

#### 2x4 Panel/Cloud

24 x 48" (610 x 1,219mm)

#### 4x4 Panel/Cloud

48 x 48" (1,219 x 1,219mm)

### Edge Types



Square Edge



Beveled Edge

### Thicknesses

2" (51mm)

3" (76mm) *By Request*

## Available Finishes

*In Stock:*

**Broadway Core Fabric**

**Paintable Absolute White™**

*By Request:*

**Waypoint Fabric**

*For detailed swatch information, please refer to the swatch sheet for your chosen finish, (appended to this document).*

## Acoustic Testing

### Fabric Finish\*

ASTM C423-02a; ASTM E795-05 (Type A)

#### NRC:

2" (51mm) - 1.00

3" (76mm) - 1.00

|    | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | NRC  |
|----|-------|-------|-------|------|------|------|------|
| 2" | 0.45  | 0.83  | 1.07  | 1.00 | 1.01 | 1.00 | 1.00 |
| 3" | 0.92  | 0.91  | 1.00  | 1.00 | 1.02 | 1.03 | 1.00 |

### Paintable Finish

ASTM C423-02a; ASTM E795-05 (Type A)

Tests conducted on a 2" (51mm) thick panel

#### NRC:

Unpainted - 1.00

Rolled Paint - 0.50

Light Spray Paint - 1.05

Heavy Spray Paint - 0.79

| 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | NRC  |
|-------|-------|-------|------|------|------|------|
| 0.32  | 0.87  | 1.11  | 1.04 | 0.96 | 0.96 | 1.00 |

## Fire Safety Testing

### Fabric Finish\*

CAN/ULC-S102-03 - Class A/1

ASTM E84 - Class A/1

EN13501-1 - Class A-s1,d0

AS/NZS 1530.3 - (I)0,(S)0,(H)0,(Sm)5

### Paintable Finish

CAN/ULC-S102-10 - Class A/1

ASTM E84-11b - Class A/1

EN13501-1 - Class B-s2,d0

AS/NZS 1530.3 - (I)0,(S)0,(H)0,(Sm)3

*\*Tests listed were conducted on a Broadway panel wrapped with Primacoustic Core fabric. Waypoint fabric is a similar material, sourced from the same supplier, but exact figures may differ slightly.*

## Installation Options

Primacoustic offers a range of specially-designed mounting hardware, available for purchase separately.

**Suggested tools:** Measuring Tape, Straight Edge, Drill, Level, Screwdriver, Screws, Drywall Anchors.

### Method

#### Mounting to the wall with Impalers:

Primacoustic Impalers are designed for mounting glass wool panels to walls with minimal defacement. These are screwed onto the wall surface with the appropriate fixing, then the panel is pressed onto them. A small amount of construction adhesive may be used for an additional hold.

The number of impalers required will depend on the size of the panel. Please refer to the installation manual for more information.

**Rotofast Snap-on Anchors** are an alternative method for wall-mounting panels in high traffic areas. These locking plastic anchors provide a more secure hold, but don't allow as much leeway for adjustment.

### Maintenance

A clean, dry cloth is recommended for cleaning the surface of Broadway panels. Water-based and other liquid cleaners are not advised for Paintable Absolute White™ panels, as they may strip the panel's surface coating.

## Accolades



Panel contains up to 51% recycled materials



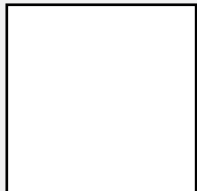
Will contribute to meeting LEED and WELL standards.

## Warranty

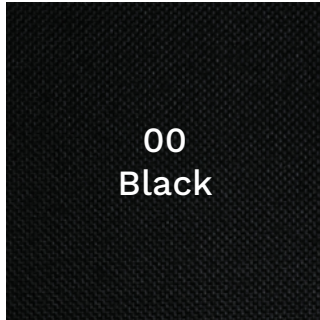
Primacoustic acoustic products are guaranteed to be free of manufacturing defects for a period of 3 years after purchase. Please visit [www.primacoustic.com/service-warranty](http://www.primacoustic.com/service-warranty) for more information.

BIM data available at [www.primacoustic.com/bim-library](http://www.primacoustic.com/bim-library)



|                                                                                                                   | SKU*          | Finish Options                | Width         | Height        | Thickness | Edge Type | Box Qty. |
|-------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------|---------------|---------------|-----------|-----------|----------|
| <b>1x4 Panel</b><br><br>         | F122-1248-xx  | Core Fabric<br>(00 & 08 only) | 12" (305mm)   | 48" (1,219mm) | 2" (51mm) | Beveled   | 12       |
|                                                                                                                   | BW122-1248-xx | Waypoint                      | 12" (305mm)   | 48" (1,219mm) | 2" (51mm) | Beveled   | 12       |
|                                                                                                                   | P122-1248-09  | Paintable<br>Absolute White™  | 12" (305mm)   | 48" (1,219mm) | 2" (51mm) | Beveled   | 6        |
|                                                                                                                   | B123-1248-xx  | Core Fabric<br>(00 & 08 only) | 12" (305mm)   | 48" (1,219mm) | 3" (76mm) | Beveled   | 8        |
| <b>2x4 Panel/Cloud</b><br><br>  | B102-2448-xx  | Core Fabric                   | 24" (610mm)   | 48" (1,219mm) | 2" (51mm) | Square    | 6        |
|                                                                                                                   | B122-2448-xx  | Core Fabric                   | 24" (610mm)   | 48" (1,219mm) | 2" (51mm) | Beveled   | 6        |
|                                                                                                                   | BW102-2448-xx | Waypoint                      | 24" (610mm)   | 48" (1,219mm) | 2" (51mm) | Square    | 6        |
|                                                                                                                   | BW122-2448-xx | Waypoint                      | 24" (610mm)   | 48" (1,219mm) | 2" (51mm) | Beveled   | 6        |
|                                                                                                                   | B102-2448-09  | Paintable<br>Absolute White™  | 24" (610mm)   | 48" (1,219mm) | 2" (51mm) | Square    | 3        |
|                                                                                                                   | B122-2448-09  | Paintable<br>Absolute White™  | 24" (610mm)   | 48" (1,219mm) | 2" (51mm) | Beveled   | 3        |
|                                                                                                                   | B103-2448-xx  | Core Fabric<br>(00 & 08 only) | 24" (610mm)   | 48" (1,219mm) | 3" (76mm) | Square    | 4        |
|                                                                                                                   | B123-2448-xx  | Core Fabric<br>(00 & 08 only) | 24" (610mm)   | 48" (1,219mm) | 3" (76mm) | Beveled   | 4        |
| <b>4x4 Panel/Cloud</b><br><br> | B102-4848-xx  | Core Fabric                   | 48" (1,219mm) | 48" (1,219mm) | 2" (51mm) | Square    | 3        |
|                                                                                                                   | BW102-4848-xx | Waypoint                      | 48" (1,219mm) | 48" (1,219mm) | 2" (51mm) | Square    | 3        |
|                                                                                                                   | B102-4848-09  | Paintable<br>Absolute White™  | 48" (1,219mm) | 48" (1,219mm) | 2" (51mm) | Square    | 3        |

\* Replace 'xx' with finish code (see Swatch Sheet)



Core Fabric features Primacoustic's most popular acoustically transparent colours, carefully selected to complement a wide range of commercial, education, worship, and studio environments. With a consistent woven texture and proven acoustic performance, Core Fabric provides a timeless foundation for projects where simplicity, reliability, and design flexibility matter.

## Fabric Specifications

For panel specifications, Please refer to the Engineering Data Sheet for your chosen acoustic panels.

**Content:** 100% polyester.

**Roll Width:** 54in (1,372mm)

**Will contribute to meeting LEED and WELL standards.**



## Testing

For sound absorption information and NRC values, please refer to the data sheet for your chosen acoustic panels.

### Fire Safety

#### Flammability\*:

CAN/ULC-S102-03 - Class A/1

ASTM E84 - Class A/1

EN13501-1 - Class A-s1,d0

AS/NZS 1530.3 - (I)0,(S)0,(H)0,(Sm)5

## Cleaning & Maintenance

A clean, dry cloth is recommended for cleaning the surface of Broadway panels. Vacuuming or light brushing is recommended to prevent dust and soil buildup. Water-based and other liquid cleaners are not advised, as they may strip the panel's surface coating. Do Not Bleach.

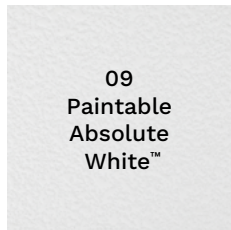
For more information, please contact your Primacoustic Sales Representative

\*Tests listed were conducted on a Broadway glass wool panel, wrapped with Primacoustic Core fabric. Different panel material will effect results.

Broadway Fabrics are a lightweight and acoustic-transparent solution that effortlessly integrates into any space. Please note that while some of the lighter colour options may appear optically opaque, we recommend adding an extra lining or scrim layer to ensure objects remain discreet and hidden behind the fabric, maintaining both aesthetics and acoustic performance.

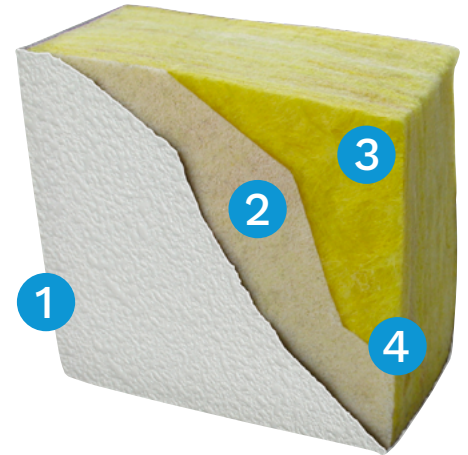
Due to the nature of the manufacturing process, and finished materials, slight colour variation may occur and is within commercial manufacturing tolerances.

Too often there is a tradeoff between achieving high-quality sound absorption and matching a room's design and décor. A panel that's the perfect solution for your room's acoustic problems may only come in certain colours, none of which match the colour scheme or décor of your room. How do you choose which criteria — sound absorption or design — is most important?

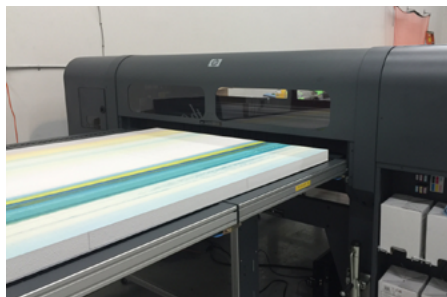


## Paintable Absolute White finish on a Broadway Glass wool Panel:

1. Breathable water-based latex paint coating.
2. Glass wool tissue micromesh encapsulates fibres.
3. Resin-hardened edges for clean architectural lines.
4. Formed, high density, semi-rigid glass wool panel.



For exact panel specifications, Please refer to the Engineering Data Sheet for your chosen acoustic panels.



## Paintable

Compromise no more. Primacoustic Paintable panels are coated in a breathable latex finish that allows them to be spray-painted any colour you choose, without affecting acoustic performance. Now you can match your design without sacrificing sound absorption.

For detailed information on painting Paintable panels, please refer to [www.primacoustic.com/resources/how-to-paint-paintables/](http://www.primacoustic.com/resources/how-to-paint-paintables/)

## Printable

The textured surface of Paintable panels can be custom printed at any local print shop. Commercial printers that offers UV flatbed printing, can apply custom graphics, photos, logos, or any other image of your choice to the face of the panel. This allows even more flexibility when matching the décor and design of your space.

For detailed information on printing on Paintable panels, please refer to [primacoustic.com/resources/how-to-print-paintables/](http://primacoustic.com/resources/how-to-print-paintables/)

## Accolades



Will contribute to meeting LEED and WELL standards.

## Fire Safety Testing

### Flammability\*:

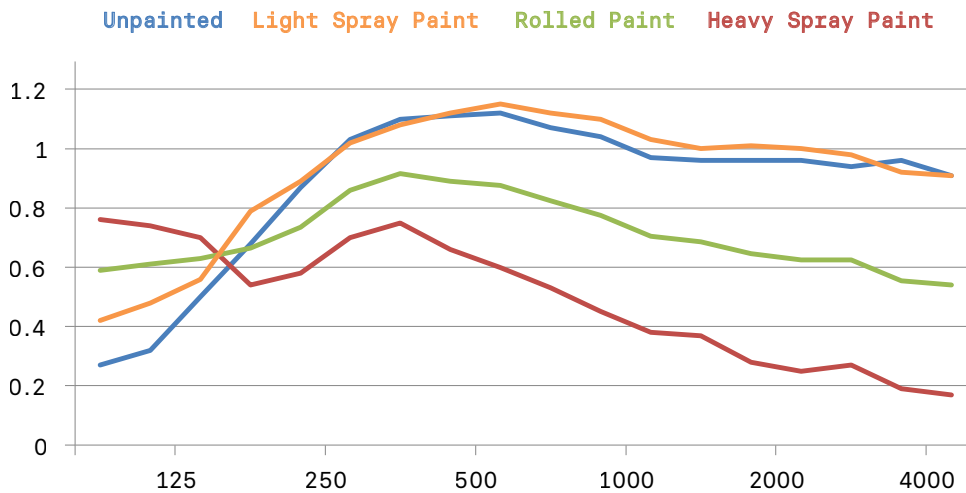
CAN/ULC-S102-10 - Class A/1  
ASTM E84-11b - Class A/1  
EN13501-1 - Class B-s2,d0  
AS/NZS 1530.3 - (I)0,(S)0,(H)0,(Sm)3



\*Tests listed were conducted on a Broadway glass wool panel, coated with Paintable Absolute White finish.

## Sound Absorption

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The surface of Paintable panels is designed to provide a solid base for paint or ink, while staying as acoustically transparent as possible.

As shown on the graph opposite, the thicker the layer of paint applied to the panel, the more reflective it becomes. In general, a light coat of spray paint will give optimal acoustic performance across the entire frequency range, but a heavier coat will improve absorption of bass frequencies. This allows some degree of 'tuning' panels to suit the needs of their environment.

[For specific NRC values and test data, please refer to the data sheet for your chosen acoustic panels.](#)

## Cleaning & Maintenance

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A clean, dry cloth is recommended for cleaning the surface of Paintable Absolute White™ panels. Vacuuming or light brushing is recommended to prevent dust and soil buildup. Water-based and other liquid cleaners are not advised, as they may strip the panel's surface coating. Do Not Bleach.

Your choice of paint/print method, will also impact your maintenance options, and specific care instructions for that method or materials should be consulted.

## For more information, please contact your Primacoustic Sales Representative

Primacoustic has designed these panels to be painted and will make recommendations for the type of paint and techniques that may be used, Primacoustic cannot be responsible for the finished appearance of the panel after painting or printing. Primacoustic cannot guarantee that surface burning characteristics, fire resistance ratings, acoustical performance, dimensional stability/sag, or light reflectance will remain the same after painting.



Waypoint Fabric expands the Primacoustic fabric palette with a broader selection of designer-inspired colours, giving architects and designers greater freedom to match project aesthetics. Every fabric is acoustically transparent and woven with the same consistent texture and thread pattern, ensuring a cohesive appearance and reliable acoustic performance across the entire collection.

## Fabric Specifications

For panel specifications, Please refer to the Engineering Data Sheet for your chosen acoustic panels.

**Content:** 100% polyester.

**Weight:** 14.45 ±1 oz/lin.yd (448g/lm)

**Roll Width:** 55in (1,400mm)

**Colourfastness to light**

(AATCC 1.6.3 Option 3):

DIN EN ISO 105-B02: Grade 5-7

AATCC 16 40hrs: Grade 4

**Rubbing Fastness**

DIN EN ISO 105-X12: Grade 4-5

(dry and wet)

**Abrasion Resistance**

Martindale (load 12Kpa) DIN EN ISO

12947-2: 90,000 cycles

**Pilling**

DIN EN ISO 12945-2: Grade 4

**Will contribute to meeting LEED and WELL standards.**



## Testing

For specific test data, please refer to the data sheet for your chosen acoustic panels.

### Sound Absorption

**Fabric's Acoustic Transparency:** 85%

### Fire Safety

**Flammability\*:**

CAN/ULC-S102-18 - Class A

ASTM E84 - Class A/1

## Cleaning & Maintenance

A clean, dry cloth is recommended for cleaning the surface of Broadway panels. Vacuuming or light brushing is recommended to prevent dust and soil buildup. Water-based and other liquid cleaners are not advised, as they may strip the panel's surface coating. Do Not Bleach.

For more information, please contact your Primacoustic Sales Representative  
For more detailed testing results, please consult [guilfordofmaine.com](http://guilfordofmaine.com)

\*Tests listed were conducted on a Broadway panel wrapped with Primacoustic Core fabric, a similar material, sourced from the same supplier. Exact figures may differ slightly.

Due to the nature of the manufacturing process, and finished materials, slight colour variation may occur and is within commercial manufacturing tolerances.

# Glass Wool Panel Mounting Hardware

Primacoustic acoustic panels can be mounted on a wall by various methods, depending on your specific application. In addition to using typical screws and adhesives, Primacoustic has developed a series of Impalers to provide the installer with a simple, quick and effective method of mounting acoustic panels onto walls without causing serious surface defacement.

To ensure panels do not get dislodged after installation, applying a dab of construction adhesive to the center of the Impaler during the mounting process adds a level of security and reduces opportunity for tampering. Impalers are installed using typical sheetrock anchors and screws.

## Push-on Impalers

Push-On Impalers allow the installer to push the Broadway panel straight onto the Impaler clip, making it easier to align panels in clusters or side by side with accuracy. The Impaler features a series of sharp protruding darts that penetrate the panel and secure it in place.

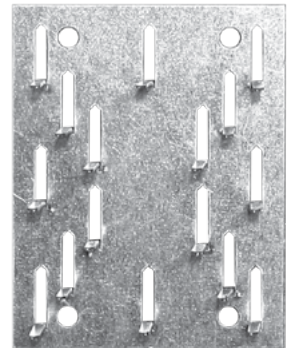
**Dimensions:** 3 x 4" (76 x 102mm)

**Material:** 20 gauge galvanized steel

**Attachment Points:** 2 (Use appropriate fastener for wall surface)

**Max Load Limit:** 12lbs (5.4kg) per anchor (dependant on wall fastener)

**Box Quantity:** 24x (F101-1003-00)



## Surface Impalers

Surface Impalers allow the installer to simply pull the panel down onto the Impaler clip quickly and efficiently, while allowing for some levelling adjustability after the panel is installed. The Surface Impaler features four sharp darts that penetrate the panel and secure it in place.

**Dimensions:** 3 x 4" (76 x 102mm)

**Material:** 20 gauge galvanized steel

**Attachment Points:** 2 (Use appropriate fastener for wall surface)

**Max Load Limit:** 12lbs (5.4kg) per anchor (dependant on wall fastener)

**Box Quantity:** 24x (F101-1000-00)



## Recommended Number of Impalers

\*Primacoustic recommends a certain number of Impalers per panel as the minimum required for safe installation based on panel depth and weight. For additional security, you may wish to increase these numbers per panel and also combine with construction adhesive.

Flush mount impaler clips should be located approximately 4" (102mm) or more from the panel edges.

| Panel Dimensions         | Impalers |
|--------------------------|----------|
| 1 x 1' (305 x 305mm)     | 1        |
| 1 x 4' (305 x 1,219mm)   | 2        |
| 2 x 4' (610 x 1,219mm)   | 4        |
| 4 x 4' (1,219 x 1,219mm) | 4/5      |

## Corner Impalers

Corner Impalers are designed to provide the installer with a simple, quick and effective method of mounting glass wool acoustic panels into corners to create bass traps. The Corner Impaler features a 45° angle design that positions a panel across a typical 90° corner without causing serious defacement of the wall surface.

The panel is held in place using a series of sharp protruding darts that penetrate the panel to secure it during installation.

**Dimensions:** 3 x 5" (76 x 127mm)

**Material:** 20 gauge galvanized steel

**Attachment Points:** 4 (Use appropriate fastener for wall surface)

**Max Load Limit:** 12lbs (5.4kg) per anchor (dependant on wall fastener)

**Box Quantity:** 8x (F101-1001-00)



## Offset Impalers

Offset Impalers provide the installer with a simple, quick and effective method of mounting glass wool acoustic panels onto wall surfaces while creating an air cavity behind the panel to increase bass absorption.

The Offset Impaler features a U-shaped design that holds the panel from the wall surface by 3.5" making it easy to align with typical 2 x 4" studs. The panel is held in place using a series of sharp protruding darts that penetrate the panel to secure it during installation.

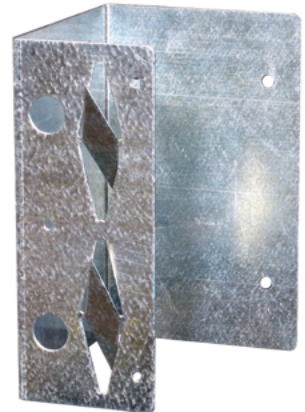
**Dimensions:** 3 x 5" (76 x 127mm)

**Material:** 20 gauge galvanized steel

**Attachment Points:** 4 (Use appropriate fastener for wall surface)

**Max Load Limit:** 12lbs (5.4kg) per anchor (dependant on wall fastener)

**Box Quantity:** 8x (F101-1002-00)



## Rotofast Snap-on Anchors

For Installations where panels need to be mounted securely against any flat surface. Simply twist the anchor into the panel using the included tool and attach the corresponding locking pins to the wall. The panel clicks and locks onto these pins, providing secure wall mounting in high traffic areas.

**Material:** Plastic

**Max Load Limit:** 45lbs (20.4kg) per anchor

**Box Quantity:** 50x anchors, marking plugs, hand tool (F101-1009-00)

