

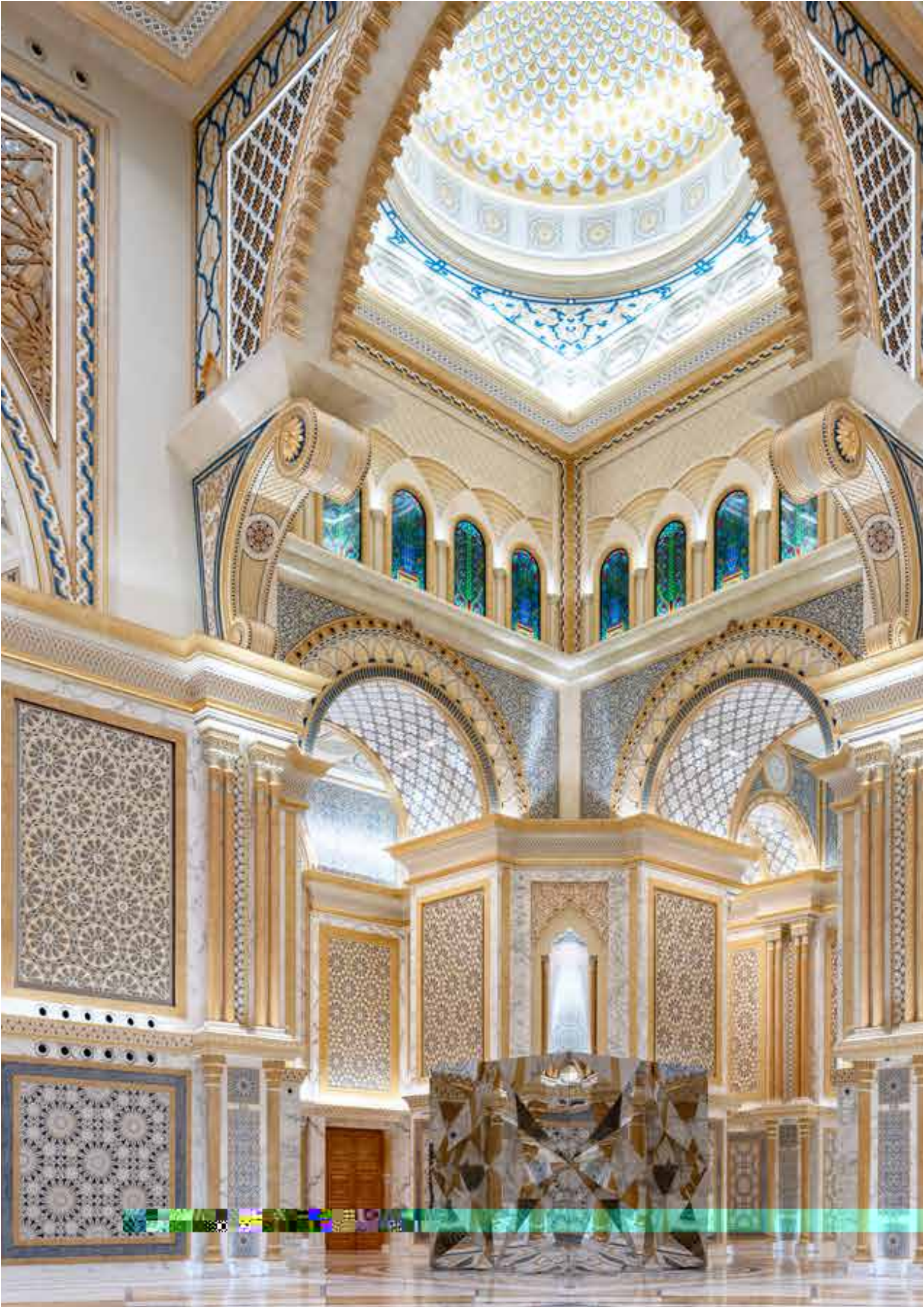
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ACOUSTICAL
SURFACES INDUSTRIES

ACOUSTICAL SURFACES
STOP NOISE

FabriWALL

www.acousticalsurfaces.in



FabriWALL

Stretch Fabric Acoustical Wall Track System

FabriWALL acoustical wall & ceiling panel is an ecofriendly, flexible, PVC -free track solution that enables architects and designers to fulfil desired specifications and criteria for any project. The system consists of a set of tracks which acts as a framework. The infill is placed between this frame work and the fabric is stretched into the interlocking jaws of the track giving the whole system a perfect finish. In the modern surround sound era, traditional building methods often fails to carry out proper sound control where the double issues of reflection as well reverberation control is quite prominent.



APPLICATIONS

- Audio-visual rooms
- Auditoriums
- Computer rooms
- Boardrooms
- Ballrooms
- Conference rooms
- Corridors/Hallways
- Lift cabs/Foyers
- Museums

KEY FEATURES

- Affordable Cost
- Covers any wall
- No wall preparation
- No lath
- No staples
- No welting / gimp
- Excellent acoustical control finish
- Maximize energy savings
- Flexible choice of fabrics



FABRIC

FabriWALL

Stretch Fabric Acoustical Wall Track System

INDIAN COLLECTION

Although most of the fabric goes well with the FabriWALL System, it is important to choose the right fabric. We manufacture all kind of interior panel and upholstery fabrics using finest quality of Polyester and are available in over 500 different varieties. These fabrics are tested and have gained wide appreciation, owing to their exquisite designs, finish, tear strength and color fastness



FABRIC

FabriWALL

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USA COLLECTION

Guilford of Maine® and Terratex® Fabric Selection Although most of the fabric goes well with the FabriWALL System, it is important to choose the right fabric. We manufacture all kind of interior panel and upholstery fabrics using finest quality of Polyester and are available in over 500 different varieties.



FabriWALL TRACKS

Tracks are on-site fabricated acoustical systems that enables fabric to be stretched for interior architectural works. The fabric is stretched over the semi rigid absorption panel to control sound. They are aesthetically pleasing and provides flexibility with onsite fabricated installation. They fit perfectly to any design concept, courtesy to their versatility and the availability of wide range of fabric selections. They are available in over 500 different designs.



ON-SITE ASSEMBLY AND INSTALLATION

FabriWALL Tracks can be built and installed on site, which in turn ensures proper fitting. In addition, this allows making last minute alterations before installation if required to suit the updated measurements. FabriWALL Tracks are easier to mount and are normally installed with traditional track profiles or magnets in order to be easily dismounted.

PRODUCT FEATURES

- *Suitable for wall use*
- *Customisable to any shape*
- *Flexible and easily adjustable during installation*
- *Made with at least 25 % recycled fiberglass*
- *Excellent noise reduction*
- *Resists microbial growth*
- *Structurally rigid*

FabriWALL TRACK TYPES

Square Edge 25mm Track



Square Side 2529

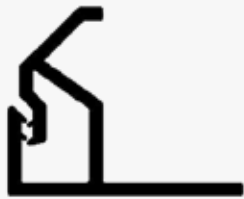


Square Side 2551



Square Side 2538

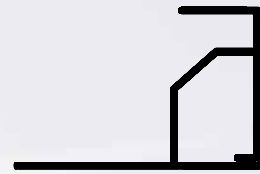
Bevel Edge 25mm Track



Bevelled Side 2532



Bevelled Center 2548



Bevelled Edge 2535

Radius Edge 25mm Track



Radius Side 2501



Radius Center 2502



Radius Side 2501

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FabriWALL ABSORBANTS

Absorption Panels are the core and integral part of a Fabriwall which is generally installed inside the frame of a track. They remain hidden under the panels and are tackable. They help in efficient sound absorption and provide high aesthetic properties to the space. The major issue of increased sound propagation and excess noise levels these days can be owed to the increased number of hard surfaces in the modern buildings which makes sound bounce or reverberate.



Echo Eliminator

Echo Eliminator is a high-performance acoustical material made from recycled cotton. Echo Eliminator cotton fabric panels are eligible for LEED™ credits, Class A fire rated

1

Poly Max polyester tackable wall panels offer an acoustically absorbent panel that is non-allergenic, non-toxic, and contains no chemical irritants or formaldehyde



Polymax

2

FabriWALL ECHO ELIMINATOR PRODUCT SPECIFICATION

Core	Echo Eliminator
Thickness (mm)	25 mm, 50 mm; custom thicknesses are also available
Sizes (mm)	600 x 600 mm, 600 x 1200 mm, 1200 x 1200 mm, 1200 x 2400 & also custom sizes
Acoustic Properties	NRC 0.80 – 1.15 (varies with thickness and mounting)
Edges	ASTM E84, Class A
Edge Finishes	Type A Mounting

Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
20mm	0.05	0.22	0.64	0.92	1.04	1.02	0.70
25mm	0.14	0.27	0.80	1.11	1.14	1.14	0.85
40mm	0.21	0.65	0.95	0.99	1.01	1.02	0.90
50mm	0.22	0.81	1.24	1.30	1.21	1.16	1.15

FabriWALL POLYMAX PRODUCT SPECIFICATION

Core	Polymax
Thickness (mm)	1/2", 1" and 2"
Sizes (mm)	Standard Size: 48" × 96", Ceiling Tiles: 23¾" × 47¾" and custom sizes
Acoustic Properties	NRC 0.66 – 0.96 (varies with thickness and mounting)
Density	1/2" thick 12.5# per cubic feet, 1" thick 7.5# per cubic feet, 2" thick 5# per cubic feet
Flamability	Class A Fire Rated per ASTM E84, Flame Spread Index = 15, Smoke Developed = 250
Mounting type	Wall Panels: Adhesive, Direct Attach, Z-Clip, Stick Pin options available Ceiling Tiles: Lay-In, Adhesive

Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
25mm	0.06	0.19	0.47	1.05	0.94	0.88	0.66
50mm	0.08	0.63	1.11	1.07	1.04	0.97	0.96



FOAM STOP

Acoustic foam is an open celled foam used for acoustic treatment. It attenuates airborne sound waves by increasing air resistance, thus reducing the amplitude of the waves. The energy is dissipated as heat.

3

Fiber Board

Acoustic fiberglass as a form of audio insulation consists of rather small particles of compressed glass or plastic.

The fibers may be randomly arranged, flattened into a sheet (called a chopped strand mat), or woven into a fabric.

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FabriWALL FIBER BOARD PRODUCT SPECIFICATION

Core	Fiber Board
Thickness (mm)	20 – 25 – 40 – 50 mm, custom thickness are also available
Sizes (mm)	600 x 600 - 600 x 1200 - 1200 x 1200 - 1200 x 2400 & custom sizes
Acoustic Properties	NRC 0.80 – 1.15 (varies with thickness and mounting)
Edges	Concealed and Hardened
Edge Finishes	Square / Radius / Bevel / Half Bevel
Flamability	Tested as per ASTM E84 and classified as Class A
Mounting type	Type A, E200 & E400

Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
20mm	0.05	0.22	0.64	0.92	1.04	1.02	0.70
25mm	0.14	0.27	0.80	1.11	1.14	1.14	0.85
40mm	0.21	0.65	0.95	0.99	1.01	1.02	0.90
50mm	0.22	0.81	1.24	1.30	1.21	1.16	1.15

FabriWALL FOAM STOP PRODUCT SPECIFICATION

Core	FOAM STOP
Thickness (mm)	15mm, 20mm, 25mm, 35mm, 50 mm; custom thicknesses available
Sizes (mm)	600mm x 600mm, 1000mm x 2000mm & also custom sizes
Acoustic Properties	NRC 0.42 – 0.96 (varies with thickness and mounting)
Density	15 Kg/m3, 28 Kg/m3, 32 Kg/m3, 40 Kg/m3
Flamability	Meets UL94 HF -1 Standard
Mounting type	Type A Mounting

Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
15mm	0.02	0.10	0.20	0.51	0.86	0.86	0.42
20mm	0.03	0.16	0.34	0.77	0.92	0.87	0.55
25mm	0.06	0.19	0.47	1.05	0.94	0.88	0.66
35mm	0.03	0.32	0.88	1.09	0.98	0.93	0.82
50mm	0.08	0.63	1.11	1.07	1.04	0.97	0.96



FabriWALL INSTALLATION METHOD

At every step, from preliminary measurements to final checking, special care is taken when installing the track, core and fabric to ensure the highest standard of finish. The FabriWALL installation is carried out in a number of stages by our specialist installers.



Measuring and Installing the FabriWALL Track

- Wall dimensions are accurately measured before cutting of perimeter and mid-rail track.
- The wall area is then marked with vertical and horizontal joint locations. Track is accurately cut and mitred at intersecting locations.
- The perimeter and mid-rail track is securely fixed to wall using compressor powered staple gun/screw.

Installing the Sound Absorbing Core

- Sound absorbing core material is cut to size ensuring that it completely fills the void between the track components.
- The site-cut pieces of absorbing core are installed tightly inside track extrusions using spray adhesive.



Fitting the Stretched Fabric Exterior

- The chosen fabric is cut 100mm to 150mm wider and longer than track centers.
- The fabric is tacked into the center of the top and then bottom tracks. It is then tucked into the track outwardly from the center of the top and bottom track.
- When all sides are tucked in, scissors are used to trim excess fabric to 10mm. The final 10mm of fabric is then tucked into the track.

A photograph of a modern cinema interior. The ceiling is dark with a grid of recessed lights. A large, bright blue screen dominates the upper half of the frame. Two sharp, parallel white laser lines project from the right side of the screen, extending towards the bottom right. The foreground shows the top of several rows of theater seats, which are dark with blue accents. The overall atmosphere is futuristic and high-tech.

IMAX®



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