



**ACOUSTIC[®]
BOARD INDIA**

**ACOUSTIC V
GROOVE WALL PANEL**

www.acousticboardindia.com

ABI – V GROOVED PET PANELS

ABI – ACOUSTIC BOARD INDIA® is in to the manufacturing of a wide series of wall and ceiling acoustical products along with turnkey solutions to each and every requirement with a diverse range in styles and materials for both interior and exterior environments that features classic and elegant concepts.

Innovative product development is a major focus of our business. On an ongoing basis, our in-house specialists focus on improving the outcome of sound performance while setting our specifications within the ISO and ATSM standard requirements. We strive to create aesthetically appealing high-end series products with characteristics in the designs that meet the needs of the metropolitan lifestyle.

ABI - V-grooved PET acoustic panels are a popular type of sound-absorbing panel made primarily from **PET (polyethylene terephthalate)**; a type of plastic often derived from recycled bottles. The **V-grooves** are precise cuts or carvings that form patterns or channels on the panel's surface, adding **aesthetic appeal and improving acoustic performance**.

1. Composition and Material

Core Material: 100% polyester fiber (commonly made from recycled PET bottles)

Eco-Friendly: Often contains up to 60-100% recycled content and is recyclable

Formaldehyde-Free: Safe for indoor use

2. V-Groove Design

V-grooving is a CNC-cut or laser-engraved pattern that creates geometric channels in the panel.

Depth & Spacing: Typically, 3-10 mm deep grooves, spaced evenly or in custom patterns.

Purpose: Enhances diffusion and aesthetic texture while maintaining sound absorption.

3. Acoustic Performance

NRC Rating (Noise Reduction Coefficient): Usually between **0.70 and 0.90**, depending on:

Panel thickness (9mm, 12mm, 24mm)

Mounting method (direct vs. with air gap)

Surface treatment (grooves, patterns)

Functions: Reduces echo and reverberation / Suitable for offices, studios, theaters, schools, and commercial spaces

4. Aesthetic Options

Finishes: Available in a wide range of colors and textures

Customization: Logos, custom groove patterns, and color combinations

Edge Detail: Clean-cut, beveled, or framed

5. Sizes and Thickness

Standard Sizes: 1220 mm x 2440 mm (4 ft x 8 ft)

Common Thicknesses: 9mm, 12mm, 18mm, 24mm



6. Installation

Mounting Options:

- Direct wall mounting with adhesives or screws
- Ceiling suspension or T-grid systems
- Z-clips or Velcro for removable panels

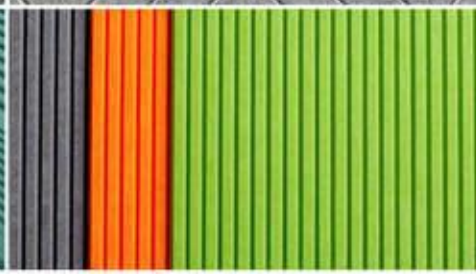
Lightweight: Easy to handle and install

7. Advantages

- High acoustic performance
- Visually appealing with 3D texture
- Sustainable and safe
- Durable, lightweight, and moisture-resistant
- Low maintenance

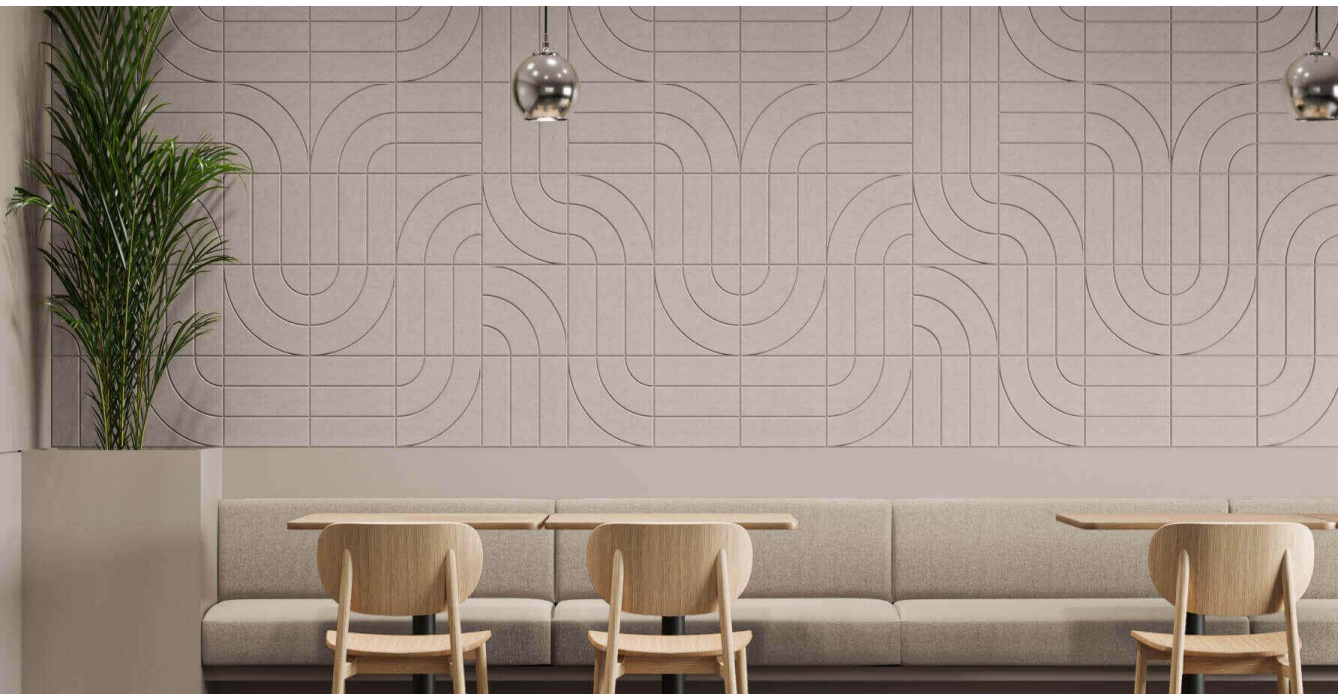
Use Cases

- Corporate offices (meeting rooms, open-plan workspaces)
- Home theaters and media rooms
- Educational institutions
- Public venues (libraries, auditoriums)
- Hospitality (hotels, restaurants)



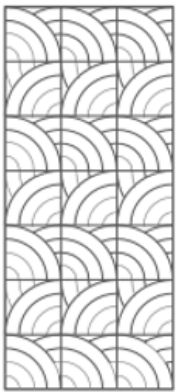
Product Characteristics

- Slotted pet sound-absorbing board is a kind of sound-absorbing board, which is composed of two layers: one layer is rigid (usually high-density), and the other layer can be flexible. The sound absorption performance of the equipment is improved by gaps at the edges, which are designed to circulate air and absorb noise. The advantages of such products include cost-effectiveness, ease of use, effective sound absorption and design flexibility.
- 1. Slotted pet sound-absorbing board design provides high sound-absorbing effect. The panel can be used in a variety of applications, including walls, ceilings, and floors. Suitable for home or office use, these panels feature an attractive appearance that can be combined with most decorative styles.
- 2. Our slotted pet sound-absorbing board has excellent acoustic characteristics, making it a more cost-effective choice for smaller rooms. They help control indoor noise, reduce reverberation, and provide dry acoustics for better performance. The slot design also helps to improve the overall strength of the panel, ensuring durability and higher stiffness than solid walls.
- 3. Use our slotted pet sound-absorbing board to create a sound-absorbing partition, whether between rooms, cubicles and offices, or around anything you want! They come in all sizes and colors. They are available in a variety of sizes and colors to meet your needs. All our panels are made of recycled PET plastic bottles, 100% recyclable.
- 4. As an important supplement to any space, our soundproof panels have attractive open braided or slotted side plates to make the air flow freely. Natural and high sound effects help bring music into life and improve the overall auditory enjoyment. This smooth and simple panel is ideal for on-site processing in any room and can be placed anywhere for the best audio experience.
- 5. High performance slotted pet sound-absorbing panels are now available in a variety of colors, surface treatments and opacity to match any architectural style. The textured surface enhances the acoustic effect, while the combination of colors creates a seamless aesthetic appearance. This hard material also provides excellent water absorption protection and is the best choice for outdoor applications. Grooved pet sound-absorbing board is a lightweight and easy to install ultra quiet wall material, which has good sound-absorbing and background noise elimination functions. The unique combination of density and unique ridge frame design create an air space behind the panel, which can effectively absorb sound by preventing sound reflection and reverberation.

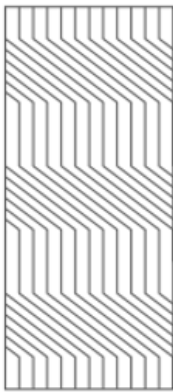




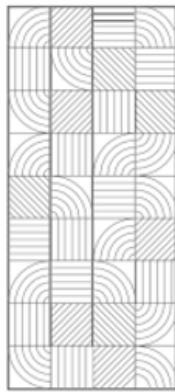
ABI – V GROOVED DESIGN PATTERNS



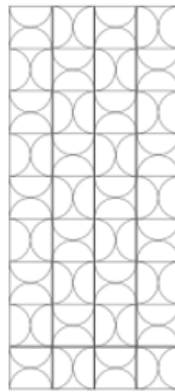
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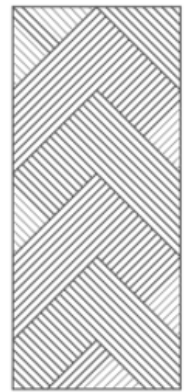
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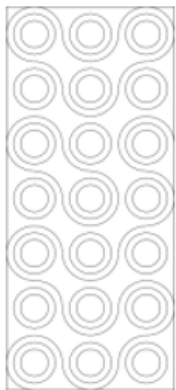
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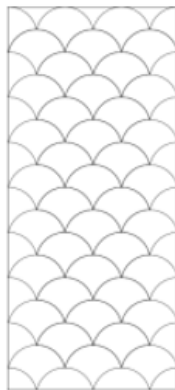
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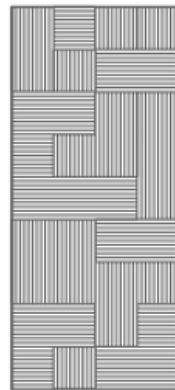
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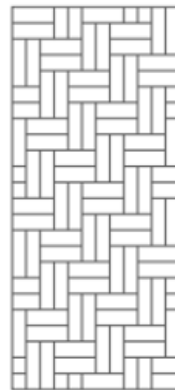
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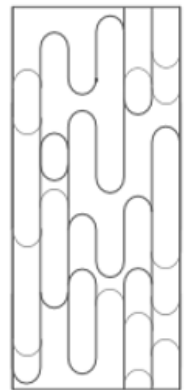
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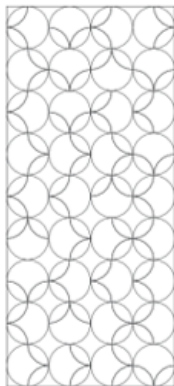
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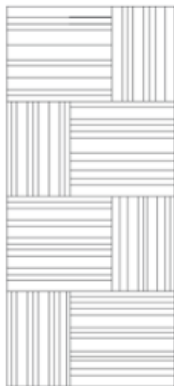
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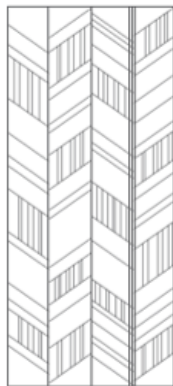
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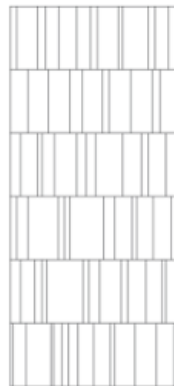
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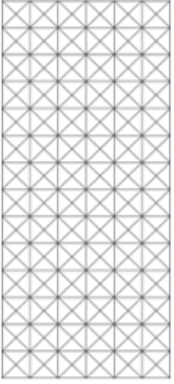
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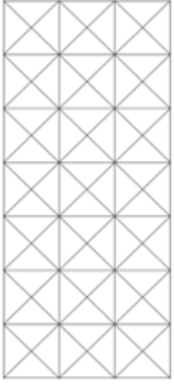
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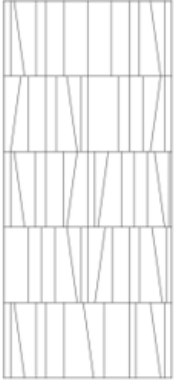
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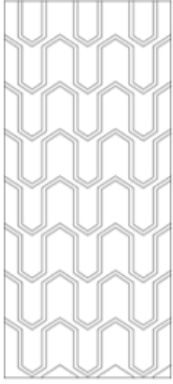
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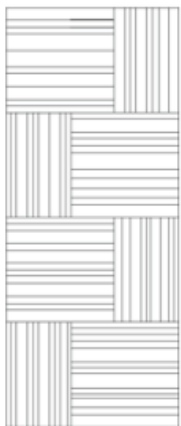
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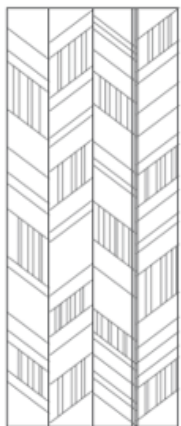
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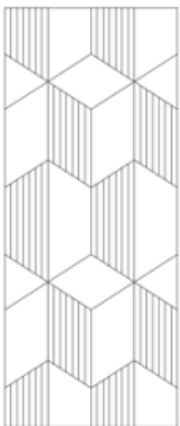
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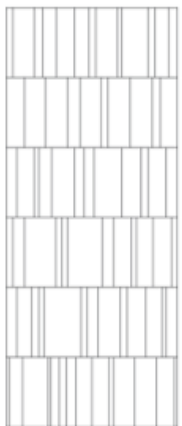
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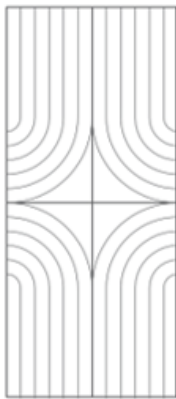
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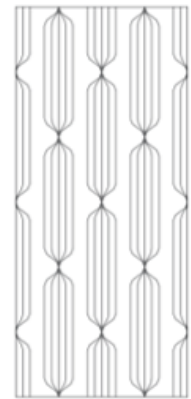
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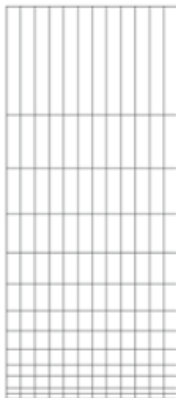
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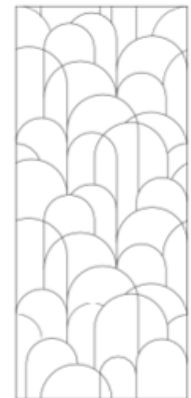
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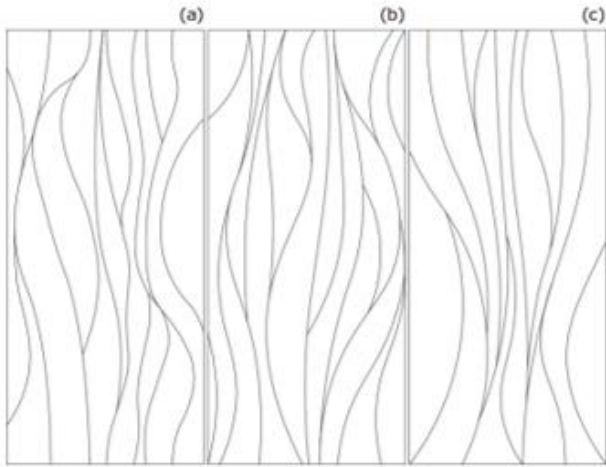
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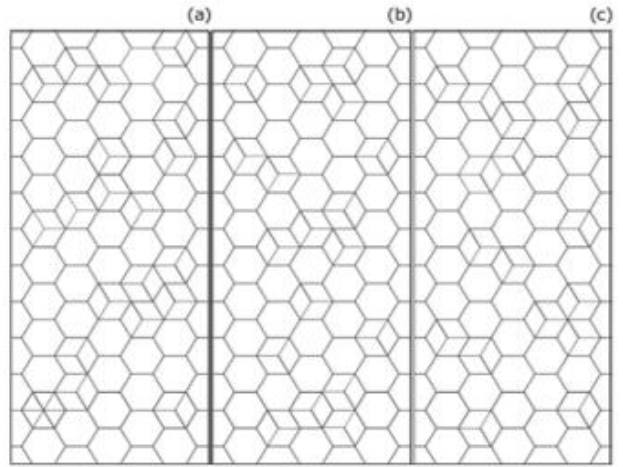
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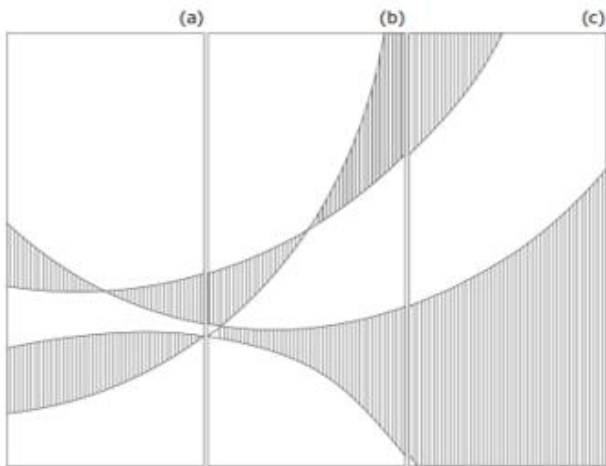
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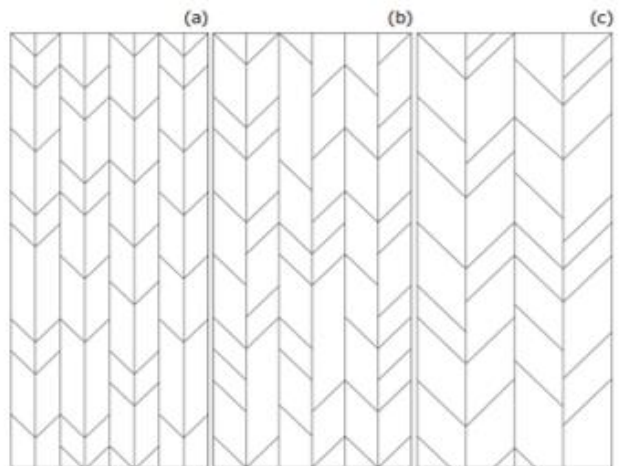
ABI - Fame 2095



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ABI - Fame 2046



ABI - Fame 2052



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EMAIL :- acousticboardindia100@gmail.com

WEBSITE :- www.acousticboardindia.com