

ACOUSTICS | PANELING | CEILING | FLOORING | PARTITION



ABI – ACOPEACE POLYESTER FIBER WOOL

MULTIPLEX | AUDITORIUM | HOME THEATER | BOARD ROOM | SPORTS HALL

MANUFACTURING | EXCELLENCE | ACOUSTICAL PASSION

About us.....!

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 on-going 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 metropolitan lifestyle.



Our experience of working with architectural designers in providing long term solutions for various environmental settings has enabled us to develop high quality and durable materials in our acoustic products to withstand the impact of long-term physical deterioration.

Exclusively available through **Brilliant Acoustics**, we use the most cutting edge technology to manufacture our one-of-a-kind products and integrate custom designed acoustic products for our clients. Most importantly, we provide highly value customer satisfaction. One of the key benefits we uphold for our clients is the feasibility of creating an acoustically adjusted environment at affordable cost. With our top of-the-line series of acoustic products, our clients can enjoy symphonic sound experiences in a variety of settings.



SPECIALIST IN DOING

**MULTI PURPOSE HALL ACOUSTICS
INDOOR STADIUM ACOUSTICS
MEETING ROOM ACOUSTICS
HOME THEATER ACOUSTICS
AUDITORIUM ACOUSTICS
CLASS ROOM ACOUSTICS
CORPORATE ACOUSTICS
MULTIPLEX ACOUSTICS
STAGE ACOUSTICS**

OUR CLIENTS



And many more!



PRODUCT RANGE

AUDITORIUM CARPETS AND STAGE FLOORING

WOODEN GROOVED AND PERFORATED SLATS

PERFORATED WOODEN ACOUSTIC PANELS

CALCIUM SILICATE PERFORATED PANELS

AUDITORIUM AND STADIUM CHAIRS

POLYESTER FIBER ACOUSTIC PANELS

POLYESTER FIBER ACOUSTIC WOOL

CUSTOMIZED ACOUSTIC PANELS

MASS LOADED VINYL (MLV)

ACOUSTIC CEILING BAFFLES

FABRIC ACOUSTIC PANELS

WOODWOOL PANELS

ACOUSTIC DOORS

ABI - ACOPEACE POLYWOOL



DESCRIPTION

Polywool (Polyester Batting) the new generation of insulation material has been engineered to provide the highest level of insulation performance for building occupants to achieve the optimum level of indoor comfort.

APPLICATIONS

Recommended as a thermal insulation for the exterior of systems or other spaces or surfaces where temperature control is required. Polywool meets typical industry standards for core and tensile strength, which makes the product more resistant to damage during lamination and installation. The flexible and light weight features allow the insulation to conform easily around corners and curved surfaces and is readily cut in die presses or with a knife.

SUSTAINABLE PRODUCT

Insulation is committed to providing environmentally sustainable products. Polywool is from CEFs, HCFCs and any other material with ozone depletion potential in their manufacture/composition content, and represent no known threat to the environment. Made from nearly 75% recycled locally sourced raw materials. Polywool range of mineral wool is perfectly in tune with sustainability and environmental concerns. Polywool is compliant with most green rating tool ODP Emissions credit requirements. Air quality is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.

DURABLE

Sound & Heat Insulation is tested for 50 years or more as it does not settle or collapse while retaining its performance and thickness.

FIRE SAFE

Sound & Heat Insulation batts / Felts are non-flammable and meets all the relevant fire standards & compliance. It does not contribute to flame spread.

HIGH PERFORMANCE

Sound & Heat Insulation not affected by moisture, snow or mild-dew; naturally resistant to insect and vermin attack and exceeds all requirement of any Building Code.

MOISTURE RESISTANT

Sound & Heat insulation is not affected by moisture, mould or mildew which means no nasty odours. Consistent performance is ensured over its lifetime.

SAFER INDOOR AIR QUALITY

Sound & Heat Insulation does not contain any added chemicals such as formaldehyde based binders or fibre that can be breathed into your lungs.

MADE IN INDIA

Sound & Heat Insulation is proudly made right here.

GREEN MATERIAL

Sound & Heat Insulation is manufactured using minimum of 70% recycled PET polyester and also recyclable at the end of its life. We adhere to Green Building norms.

ENERGY SAVING

Sound & Heat Insulation Durable and Recyclable for being used when its not useful anymore.

CONDENSATION CONTROL

This chart is based on indoor conditions so far as wind and other factors are concerned. To determine thickness to prevent condensation, based on installed thickness at 75% of nominal (out-of-package) thickness and a duct internal air temperature of 13°C refer to the condensation control chart below.

THERMAL CONDUCTIVITY

Complies with ASTM c518 at 15 degree C mean temperature. Please refer to the below table on the thermal resistance values.

ACOUSTICAL PERFORMANCE

Not only an effective thermal insulation, Polywool acts as a natural and effective sound barrier. Polywool is amongst the most effective acoustic insulation solutions when sound proofing is required. Please contact Insulation representative for further information.

PRODUCTS AVAILABLE

Density (kg/m ³)	Normal Thickness (mm)	Available Color	R-Value	Avg. NRC
10	50	White	0.81	0.62
20	25	White	0.56	0.68
16	50	White	1.12	0.75
20	50	White	1.41	0.8
40	25	White	1.45	0.82
25	50	White	1.52	0.85
30	50	White	1.68	0.87
40	50	White	2.24	0.96



AVAILABLE FORM

Unfaced or Plain – designed for predictable thermal insulation performance with the added benefit of being an effective sound absorption material.

All ducts re to be insulated on the external surface with Polywool. All wool insulation shown on drawings or specified herein shall be polywool with thickness of (25mm or 50mm).

Note: The chart is based on indoor conditions as far as wind and other factors are concerned.

To use:

- 1) Select maximum relative humidity (%) on lower axis;
- 2) Read up vertically until that line intersects the maximum ambient air temperature;
- 3) Select the thickness indicated at the point of intersection.



Fire retardant



Lightweight



Non toxic



Sound absorption



Anti allergy



LEED points for recycled material



Environmental friendly



Easy to install



50 percent post-consumer recycled content

ABI - PET ACOUSTIC PANELS



Technical Specifications

- ❖ **Thickness:** Available in various thicknesses to meet different acoustic requirements for e.g. like 9mm / 12mm / 25 mm
- ❖ **Size Options:** Standard and custom sizes 8ft x 4ft also available in other size as well to suit specific project needs.
- ❖ **NRC (Noise Reduction Coefficient):** Typically ranges from 0.70 to 0.90, indicating high sound absorption capabilities.
- ❖ **Density:** Carefully engineered to balance acoustic performance and structural integrity.

Due to printing limitations, shade/color may vary from actual product.

Shade variation among panels may occur for different batches of the same product

Note: - Contact us for any further assistance on our product range or visit our website :- www.acousticboardindia.com

PROJECTS EXECUTED BY ABI



Noise Control | Sound Barriers | Sound Absorbers
Building Acoustics | Sound isolation material | Reverberation Controllers



CONTACT US FOR ANY FURTHER ASSISTANCE ON OUR PRODUCT RANGE OR ELSE VISIT OUR WEBSITE

9810441280 | 9999010084 | 9810708580

acousticboardindia@gmail.com | www.acousticboardindia.com



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BOARD INDIA



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