

MADE IN BHARAT



BEGINNING OF A
PEACEFUL **TOMORROW**
PRODUCT CATALOGUE



WWW.PACKSOUND.IN

SOUND DAMPING SHEET





BUILDING & INDUSTRY NOISE CHALLENGE

We are redefining soundproofing for structures and industries. Our effective product and its types, which are available in a variety of variations to meet your soundproofing needs, make it simpler and more convenient.

01. PackSound™ simplifies the challenging task of controlling impact sound in modern structures. For optimal results, it can be applied to the floor, walls, and ceiling. Compared to other soundproofing products, it is inexpensive and has a long lifespan.

02. PackSound™ can be used with gypsum and bison boards, among other building materials, to meet sound insulation and attenuation requirements. It is fire resistant, making it an ideal building material for industrial and commercial structures.

03. PackSound™ can be used in industry to effectively reduce machinery noise and vibration. Due to its resistance to high temperatures, it is appropriate for industrial applications. It is the most effective noise barrier for protecting workers from excessive noise levels.

PackSound™ Applications



Hotel



School



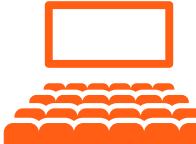
Hospital



Airport



Factory



Auditorium



Office



Mall



Stadium

PackSound™ Long Term Benefit's



AIRBORNE NOISE
INSULATION



IMPACT NOISE
INSULATION



MACHINE NOISE
INSULATION



SOUND
DAMPENING



COST
EFFECTIVE



BEST
QUALITY



LONG LIFE
PRODUCT



FAST
DELIVERY

BEGINNING OF A



PEACEFUL

TOMORROW

PackSound™ is a high-density, highly flexible, synthetic soundproofing membrane that provides outstanding sound absorption in conventional constructions without sacrificing thickness. It is highly flexible and stretchable, allowing it to adapt to any shape or surface and handle complex joints and corners with ease. PackSound™ is distinguished by its fire resistance and meets can bear high temperatures easily. This indicates that the material is not flammable, is self-extinguishing, does not drip, and does not produce molten particles.

PackSound™ offers solutions for any type of building system as well as industrial applications. It is available in various weights, specific sizes for with gypsum boards or in combination with absorbent felt. Its versatility makes it suitable for a wide range of environments, ensuring that every space can benefit from its superior soundproofing capabilities. Whether you're constructing a new building or upgrading an existing one, PackSound™ promises to deliver exceptional performance and durability, significantly enhancing the acoustic comfort of any setting.

By integrating PackSound™ into your projects, you are choosing a product that not only meets but exceeds industry standards for noise reduction. Its innovative design and reliable performance make it a preferred choice for architects, builders, and engineers who are committed to creating spaces that offer tranquility and productivity.

With PackSound™, the future of soundproofing is not just about reducing noise but creating environments where peace and quiet become an integral part of everyday life. Experience the difference with PackSound™ and step into a world of serenity and focus, where the distractions of noise are a thing of the past.

PackSound™ Variants

1 Density and Sheet Size	Density: 2,000 Kg/M³ Size: 5m x 1.2m
2 PackSound™ Slim	Thickness: 2mm STC: 26 db(A)
3 PackSound™ Pro	Thickness: 3mm STC: 30.7 db(A)
4 PackSound™ Super	Thickness: 4mm STC: 35.8 db(A)
5 PackSound™ Ultra	Thickness: 5mm STC: 42.7 db(A)

PACKSOUND™ Variant comparison SS | Pro | Super | Ultra

The PACKSOUND™ series offers a diverse range of soundproofing solutions, each designed to meet varying levels of acoustic performance and structural requirements. Here's a quick comparison to help you choose the right variant for your needs:

1. PACKSOUND™ SS 2mm

- Sound Transmission Class (STC): 26 db(A)
- Thickness: 2 Millimeters
- Ideal for: Basic soundproofing needs in residential or light commercial applications.

2. PACKSOUND™ Pro 3mm

- Sound Transmission Class (STC): 30.7 db(A)
- Thickness: 3 Millimeters
- Ideal for: Enhanced acoustic performance, suitable for offices or home studios.

3. PACKSOUND™ Super 4mm

- Sound Transmission Class (STC): 38.4 db(A)
- Thickness: 4 Millimeters
- Ideal for: Advanced soundproofing solutions, great for high-traffic commercial spaces or media rooms.

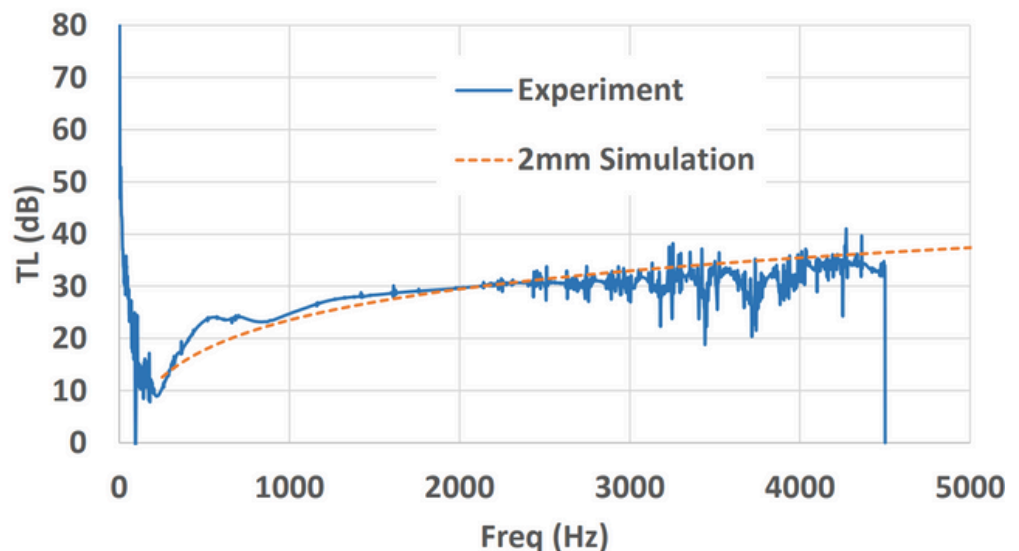
4. PACKSOUND™ Ultra 5mm

- Sound Transmission Class (STC): 42.7 db(A)
- Thickness: 5 Millimeters
- Ideal for: Superior sound isolation, perfect for professional recording studios or industrial applications.

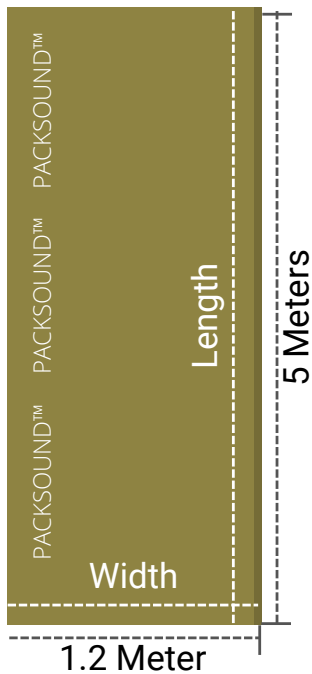
Each variant is crafted to ensure easy installation and maximum efficiency, providing a reliable solution to meet your soundproofing requirements.



PACKSOUND™ SS 2mm | 26 db(A) STC

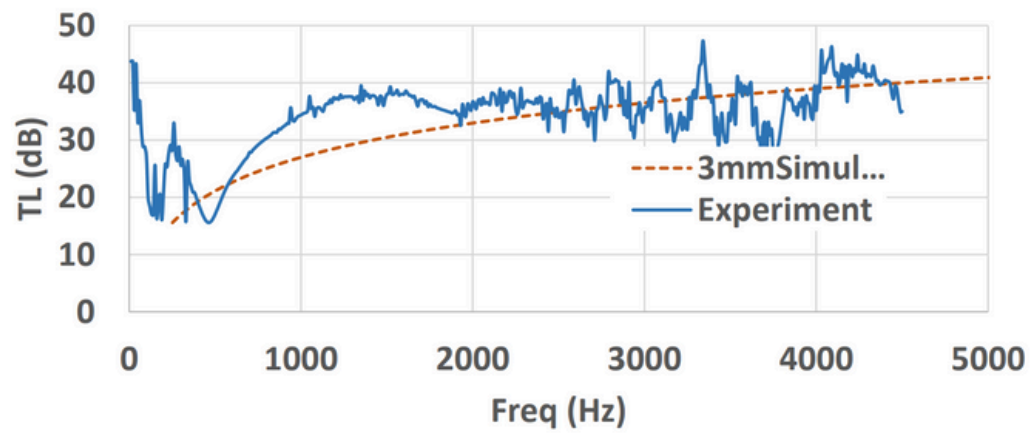


PERFORMANCE GRAPH



Thickness 3 Millimetres

PACKSOUND™ Pro 3mm | 30.7 db(A) STC

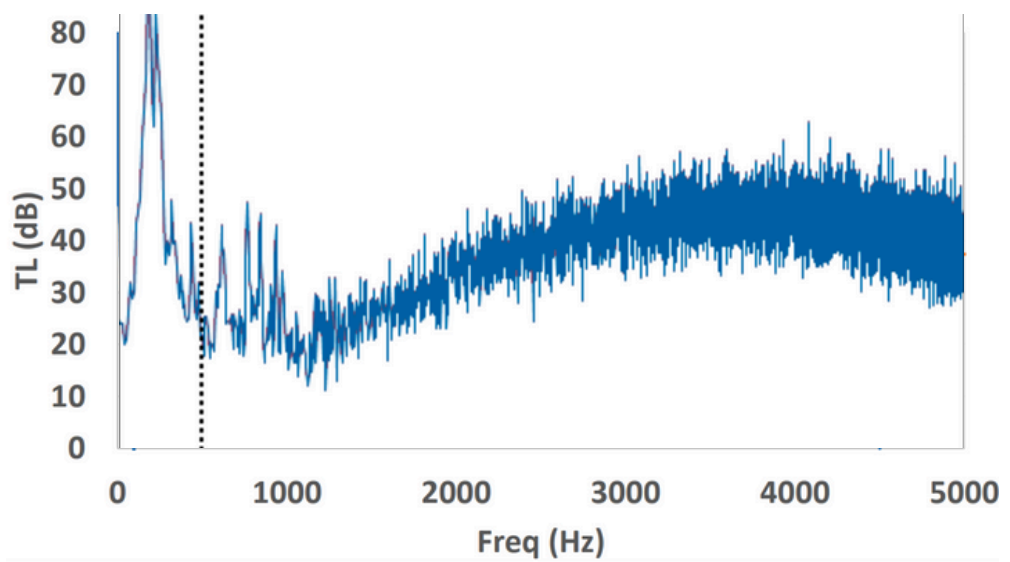


PERFORMANCE GRAPH

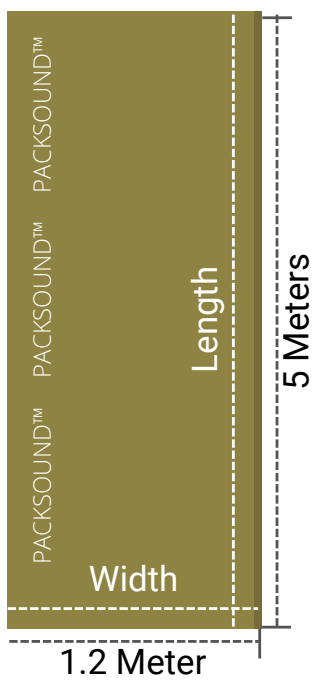


Thickness 4 Millimetres

PACKSOUND™ Super 4mm | 38.4 db(A) STC

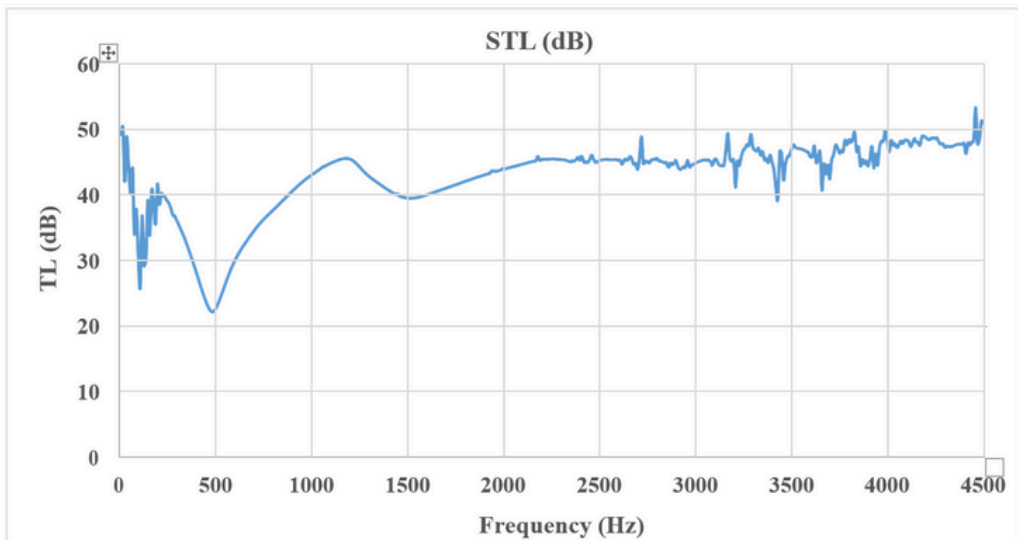


PERFORMANCE GRAPH



Thickness 5 Millimetres

PACKSOUND™ Ultra 5mm | 42.7 db(A) STC



PERFORMANCE GRAPH

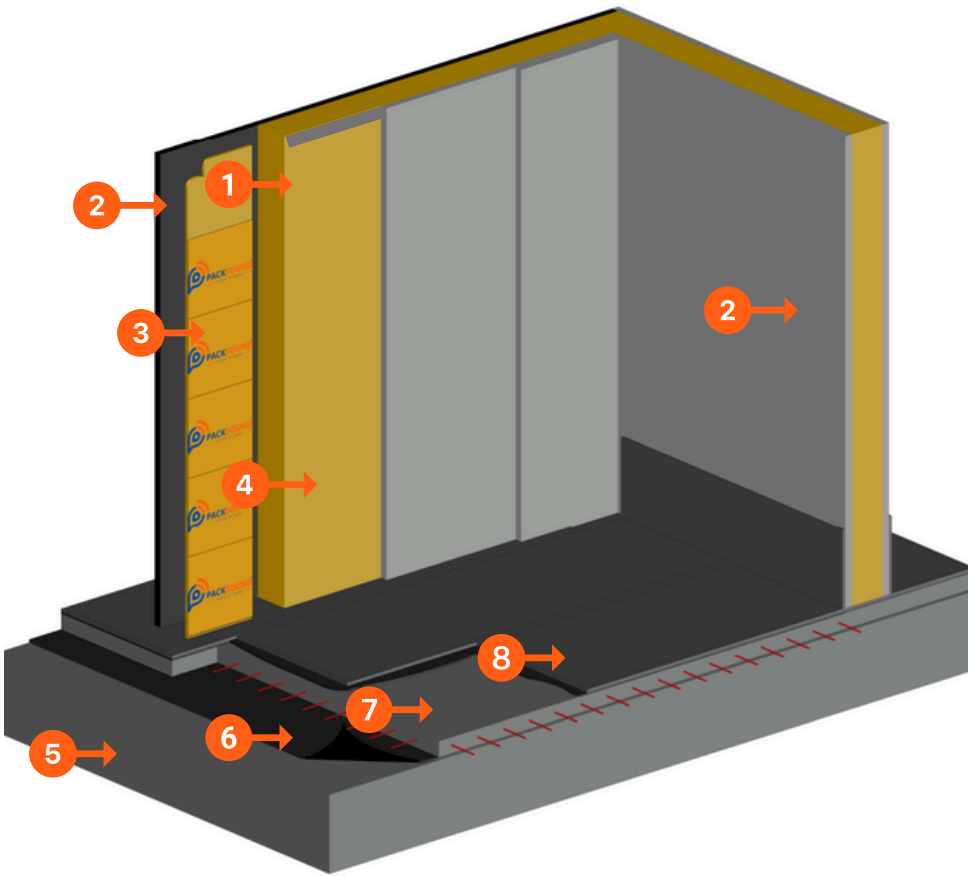
PACKSOUND™ WITH COMBINATION OF ACOUSTIC MATERIAL



1. Traditional Brick Wall
2. PackSound™ Ultra 5mm
3. GI Channel grid framework made out of GI sheet 0.5 mm thick and grid size will be 600 x 900mm
4. Acoustic Insulation of thickness 50 mm and density 48 kg/m³
5. Acoustic tissue paper.
6. Ecotone Acoustic Grooved wooden slats (Groovphonic™)

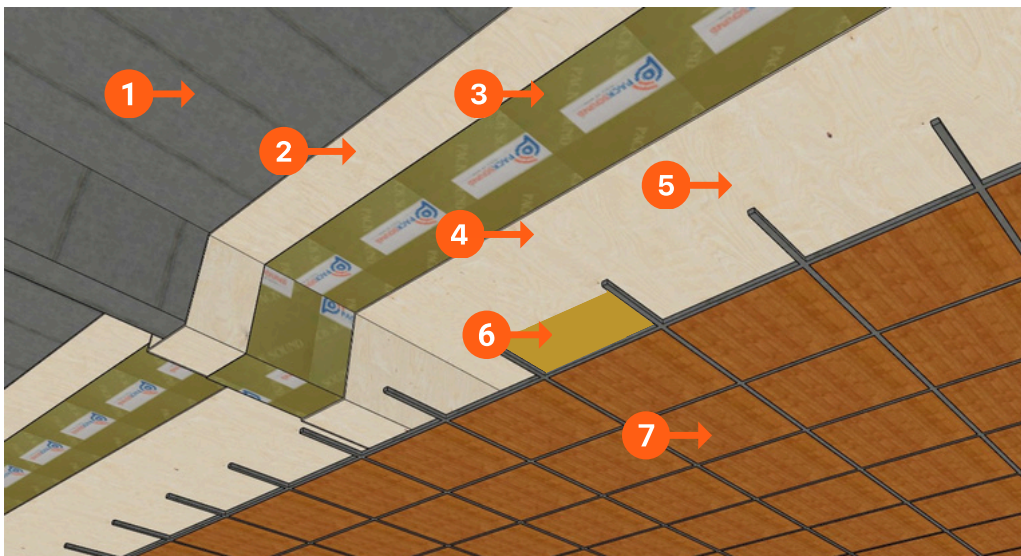
PackSound™ provides an innovative solution that maintains structural integrity while enhancing acoustic and soundproofing performance. The GI Channel grid framework is seamlessly integrated with the 5mm thick PackSound Ultra layer. This grid is constructed from a 0.5 mm thick GI sheet and has a grid dimension of 600x900 mm, which guarantees a secure and stable installation. The acoustic insulation layer, which is 50 mm thick Rockwool of density of 48 kg/m³, provides required NRC value. Packsound Ultra 5mm effectively reduces noise transmission through the wall. The soundproofing capabilities are further improved by the addition of a layer of acoustic tissue paper, which ensures that even the slightest echoes are attenuated and also prevent acoustic insulation fibers air transmission. The Ecotone Acoustic Grooved wooden slats, also known as Groovphonic™, provide the finishing touch. Their stylish design not only enhances the wall's acoustic efficiency but also adds an aesthetic appeal. This acoustically optimised environment is ideal for residential or commercial spaces that prioritise privacy and sound quality, as it is the result of the integration of insulating materials and high-tech modern acoustics.

PACKSOUND™ WALL COMBINATION | DRY WALL PARTITION



1. GI Channel grid framework
2. 12 mm gypsum/calcium silicate/cement fiber board
3. PACKSOUND™ Ultra 5mm
4. Acoustic Insulation of thickness: 50 mm having density: 48 kg/m³
5. RCC Floor Slab of desired thickness
6. PACKSOUND™ Ultra 5mm
7. 50mm PCC layer
8. Final Floor Finish
9. Drywall partition is suitable for hotels, classrooms, and offices, making the surroundings soundproof while keeping the structure weight low.

PACKSOUND™ CEILING COMBINATION | CEILING UNDERDECK



1. RCC Slab
2. Layer of Fiber board
3. PACKSOUND™ Pro 3mm
4. Layer of Fiber Board
5. T24 Grid system of size 595x595mm
6. 50 mm rockwool having density 48 kg/m³
7. Ecotone Perforated Acoustic Panels (Perfoaudile™)

The materials used create a balance of sound absorption and structural integrity, ideal for noise-sensitive environments. The RCC slab provides a strong foundation, while fiberboard layers enhance rigidity and support the PACKSOUND™ Pro 3mm for improved soundproofing and stick to its place. The T24 Grid system secures the acoustic elements, and 50 mm rockwool, paired with Ecotone Perforated Acoustic Panels (Perfoaudile™), offers excellent sound absorption and modern design. While packsound reduces sound transmission, on the other hand, ecotone acoustic perforated tiles (Perfoaudile™) with a combination of rockwool provide excellent sound absorption. This setup is suitable for theaters, conference rooms, and studios, combining aesthetics with functionality.



DO's

INSTALLATION

1. On joints between two sheets of Packsound, always overlap by 75 mm to avoid sound leakage.
2. The surface you plan to paste Packsound on should be clean and plain.
3. Use rubber-based adhesive for pasting of Packsound to provide a sturdy grip to wall/ceiling/floor.
4. Make sure to properly cover and seal all electrical outlets and fixtures in the installation area to prevent sound leakage and ensure safety.
5. Complete all electrical fittings before installing the PackSound.
6. Store Packsound sheets in a dry, cool environment before installation to maintain their quality and effectiveness.
7. Use a roller or flat tool to apply even pressure on the Packsound sheets, ensuring a secure bond with the surface.
8. Conduct a thorough inspection after installation to check for any gaps or incomplete seals that might compromise soundproofing.
9. Make sure to wear appropriate safety gear, such as gloves and goggles, during installation to protect yourself from any potential hazards.
10. Follow all manufacturer instructions and guidelines for the best results and longevity of the product.



DON'Ts

INSTALLATION

1. Measure the area accurately before cutting Packsound sheets, as incorrect measurements can lead to wastage and ineffective soundproofing.
2. Avoid using water-based adhesives, as they may not provide the necessary hold and could compromise the installation.
3. Do not leave gaps between sheets, as this can allow sound to pass through and reduce the effectiveness of the soundproofing.
4. Avoid installing Packsound in damp or humid environments, as moisture can affect the material's integrity and performance.
5. Do not skip the cleaning step; ensure the surface is free from dust and debris, which can hinder the adhesive's ability to bond properly.
6. Never rush the installation process; take your time to ensure each step is completed thoroughly and accurately.
7. Do not use any abrasive tools or materials on the Packsound surface, which might scratch or degrade its soundproofing capabilities.
8. Avoid stacking heavy objects on top of stored Packsound sheets, as this can cause warping or distortion before installation.
9. Avoid nailing multiple times as it may lead to sound leakage due to openings.
10. Never attempt to repair damaged Packsound sheets; replace them to maintain optimal soundproofing efficiency.

"Silence
allows our
minds to rest
and
rejuvenate,
fostering the
growth of
wisdom"
_ Francis Bacon

Product of Ecotone Acoustics



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