

Experience the
comfort of Silence

INSOUND[®]
POLYWOOL

DESIGN COMFORT INSULATION



PRODUCT DESCRIPTION : POLYESTER WOOL

- **INSOUND POLYWOOL®** is 100% PET recyclable polyester wool made by synthetic fibres, bonded by thermoplastic binder. Insound Polywool is available in white color, Available in a wide range of widths, lengths, thicknesses and densities.
- **INSOUND POLYWOOL®** is a category of polymers that contain the ester functional group in their main chain. As a specific material, it most commonly refers to a type called polyethylene terephthalate (PET).
- PET - Polyethylene terephthalate (sometimes written poly(ethylene terephthalate)), commonly abbreviated PET, PETE, or the obsolete PETP or PET-P, is the most common thermoplastic polymer resin of the polyester family and is used in fibres, PET consists of polymerized units of the monomer ethylene terephthalate, with repeating (C₁₀H₈O₄) units.
- The majority of the world's PET production is for synthetic fibres (in excess of 60%), with bottle production accounting for about 30% of global demand.
- Polywool is an excellent material for acoustic insulation and thermal insulation applications made of flexible and non-itch fibers which also. It is used widely in under-roof applications and partition walls in factories and buildings.

PRODUCT IMAGE :

- Polywool -Thermally Bonded with non-woven Polyester wool for under deck Insulation for Industrial Sheds & Pre-Engineering Buildings (PEB) • Acoustic Insulation • Thickness 25mm Onwards



TECHNICAL DETAILS & ROLL DIMENSIONS (APPROX.) :

- Insound Polywool -1000(50MM).x 48inch width x 20 mtr length. . Total =262 sqft material in 1 roll
- Insound Polywool -500(25MM).x 48inch width x 30 mtr length. . Total = 393 sqf material in 1 roll

Wt./m2 or GSM	500 & 1000 +/-20%
Density	20 Kg /m ³ +/-20%
Thickness	25 & 50 mm +/-10%
NRC	up to 0.6 (25MM) & 0.75 (50MM)

ADVANTAGES :

- Best Noise absorption insulation, It has good sound absorption effect & excellent alternative for Mineral wool & glass wool products
- It's also fire retardant.
- Approx. Thermal conductivity 0.036 W/m K.
- Can be cut with scissors or with rotating cutting machine.
- Insound Polywool is environmental friendly, mechanical resistant and gives stability to the system.
- Does not irritate skin or eyes, recyclable (100% PET)
- Working temperature: - 40 °C to +120 °C

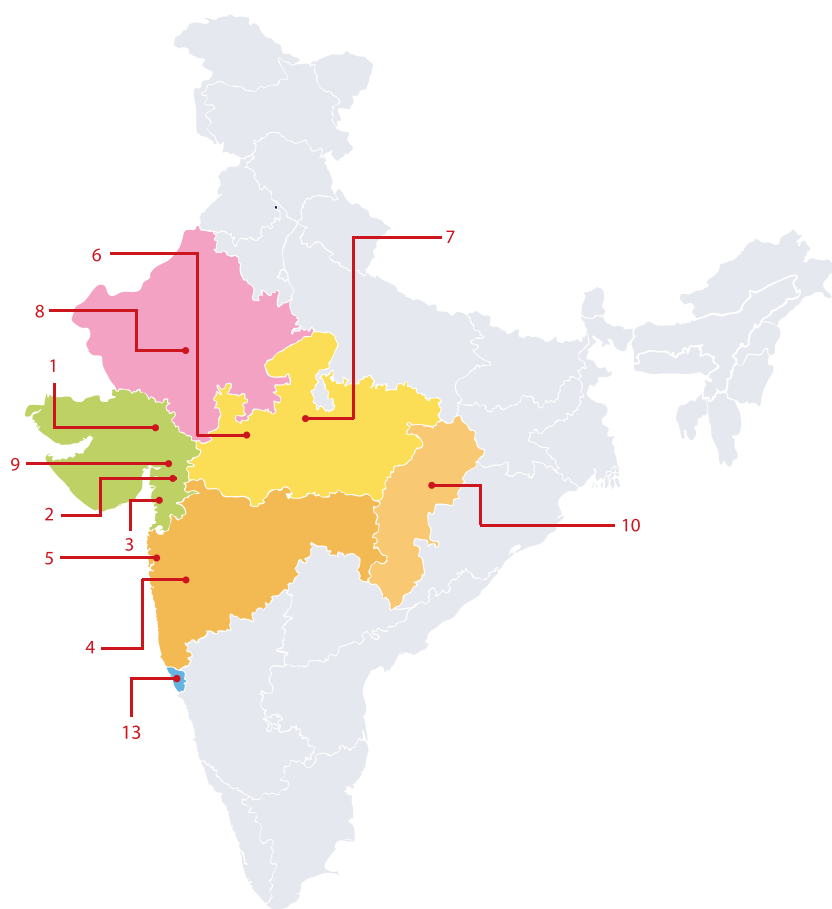
APPLICATIONS :

- Wide range in application such as Theater, Recording Room, Opera, Conference, Broadcast studio, ktv, Audition room, TV station, Business Office, Hotel, Villa etc...
 - Easy to install
 - Eco-friendly
 - Use recycled material and recyclable.
 - Fire retardant
- Sound proofing material, for flat and molded part, interior and engine compartment, suitable for sound absorption, in the Automotive Industry, Train Industry, Household appliances, building and construction

PROCESSING

- Surface must be clean, dry and dust and grease free
- Attach by means of ties or by spreading contact adhesive over the surface Good adhesion is obtained by carefully applying pressure

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