

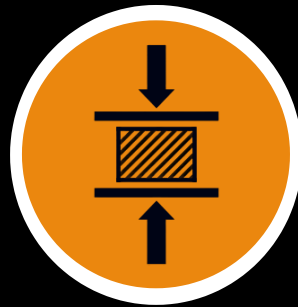
ALFA PEB LTD



ACOUSTIC PANELS & SOUND BARRIER



FIRE PROOF



COMPRESSION STRENGTH



SOUND PROOF

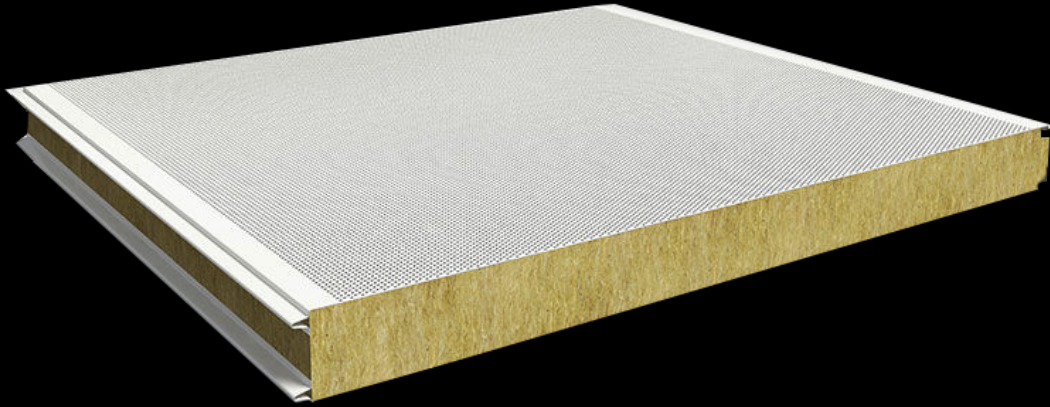


THERMAL INSULATION

☎ **1180-0572-9242**

✉ **enquiry@asbs.in**

SOUNDPROOF PANEL



DESCRIPTION

Rockwool Acoustic Infills combine optimal density, random fibre orientation, and excellent fit to provide a significant improvement in sound absorption when used within the troughs of perforated metal roof decks. The product is wrapped in a factory-applied acoustically transparent white tissue facing for improved aesthetics. For the best performance.

APPLICATIONS

COMMERCIAL

INDUSTRIAL

MANUFACTURING PLANTS

HEALTH & EDUCATIONAL

ADVANTAGES

FIRE RESISTANCE

ACOUSTIC COMFORT

SUSTAINABLE MATERIALS

DURABILITY

WHAT IS NOISE BARRIER:

A noise barrier is an exterior structure designed to protect inhabitants of sensitive land use areas from noise pollution. Noise barriers are the most effective method of mitigating roadway, railway, and industrial noise sources.



MAJOR FACTORS SHOULD BE CONSIDERED WHILE DESIGNING NOISE BARRIERS

1. Sound barrier location
2. Material
3. Design and shape of barrier
4. Wind speed calculations
5. Noise calculations
6. Structural stability
7. Aesthetic values

TYPICAL SOUND LEVEL CALCULATIONS

It is important to keep in mind that you should really be concerned with the noise level at the ear, instead of the noise that is actually produce by the equipment.

SOUND OR NOISE EXAMPLE	SOUND LEVEL	COMMENTS
HUMAN EAR	0 DB	THIS IS A MATTER OF DEFINITION
RUSTLE OF LEAF	20 DB	
WHISPER	30 DB	
NORMAL CONVERSATION	60 DB	
INSIDE PASSENGER CAR AT 60 MPH	65-75 DB	SMALLER CARS ARE USUALLY NOISIER
RINGING TELEPHONE	80 DB	MEASURED CLOSE TO THE PHONE
HAIR DRYER	85-90 DB	MEASURED CLOSE TO THE DRYER
LAWN MOWER	85-90 DB	MEASURED AT THE EAR
MAXIMUM EXPOSURE, 8 HOURS	90 DB	OSHA REGULATION
CHAIN SAW	90-100 DB	MEASURED AT EAR, SOUND LEVEL VARIES BY MODEL
TRACTOR, BULLDOZER	95-105 DB	INSIDE CAB MAY BE LESS NOISY. SOUND LEVEL VARIES BY MODEL
ROCK DRILL	110-115 DB	
CIRCULAR SAW, TABLE SAW	110 DB	
THRESHOLD OF PAIN	120 DB	A MATTER OF DEFINITION
PNEUMATIC CHIPPER	120 DB	
FIRE ENGINE SIREN	120 DB	
JET ENGINE AT TAKEOFF	140 DB	
12-GAUGE SHOTGUN	165 DB	IMPACT SOUND USES A DIFFERENT RISK CRITERIA
ROCKET LAUNCH	180 DB	
LOUDEST POSSIBLE SOUND	195DB	

SPECIFICATIONS

CHARECTERISTICS	SPECIFICATION
PANEL SIZES	3960 X 500, 2960 X 500, 2460 X 500, 1960 X 500 MM
PANEL THICKNESS	80MM 100 MM 120 MM
WIND LOAD	DESIGNED AS PER IS 875 PART-III, 1987
SOUND PROOFING	CLASS -A4
SOUND DEADENING	CLASS -B2
TYPE OF WALL	DOUBLE SKIN INSULATED WALL
FACING SHEET	PLAIN METAL SHEET / GI SHEET/ALUMINIUM , 0.5 TO 1.2 MM THICK
BACKSIDE SHEET	PERFORATED SHEET/ GI SHEET/ALUMINIUM WITH 22-46 % OPEN AREA
INFILL / CORE	ROCK WOOL CONFIRMING TO IS-8183 & BS 476 OF VARIES DENSITY AND THICKNESS. ROCK WOOL COVERED WITH FIBER TISSUE PAPER FIRE-RESISTIVE.
COVER	WATER REPELLENT TISSUE PAPER FOR INFILL MATERIAL LAMINATION, 50-MICRON THICKNESS
SOUND DAMPING	HIGH DENSITY MASS LOADED VINYL BARRIER OF 2 MM THICKNESS
JOINT	EACH PANEL HAVING A TONGUE & GROOVE TO JOIN PERFECTLY WITH EACH OTHER
GASKET	THE PANEL AND STRUCTURE HAVING NEOPRENE RUBBER GASKETS AT THE JOINT TO BLOCK NOISE LEAKAGE.
VERTICAL POST/ STRUCTURE	THE STRUCTURE IS OF 'H' PROFILE IN WHICH ACOUSTIC PANEL SLIDES LONGITUDINALLY.
FINISH	ALL METALLIC SURFACE/PARTS ARE GALVANIZED / POWDER COATED / PAINTED IN DESIRE SHADE.



MANUFACTURING PLANTS

HOSUR

Survey No162,163,164/2, & 167
Kalukondapalli
Village Thally Road,
Hosur - 635114

AHMEDABAD

Sy.No.192, Paikki Khata
No.254& 212, Behind Intas Pharma,
Near Matoda Patia, Changodar,
Sarkhej-Bavla Highway,
Ahmedabad-382 213.

BANGALORE RETAIL

Door No. 45 & 45/1N.R. Road
Bangalore- 560002
Karnataka

MARKETER & DISTRIBUTOR

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