

## PRODUCT INFORMATION SHEET

### ENGINE INSULATION SHEETS

**Engine Insulation** - High Performance Composites that combine acoustic foams, barriers and facings to give the best possible noise reduction.

Code	Description	Width	Length	
31226064525	Engine Insulation 6PU/4.5KG Barrier/25PU Foil faced one side	1300mm	1000mm	
312290604250	Engine Insulation 6PU/4.5KG Barrier/25PU Foil faced one side with adhesive one side	1300mm	1000mm	
31226064512	Engine Insulation 6PU/4.5KG Barrier/12PU Foil faced one side	1300mm	1000mm	
312290604120	Engine Insulation 6PU/4.5KG Barrier/12PU Foil faced one side with adhesive one side	1300mm	1000mm	

\*(Special sizes, cut parts and large rolls available on request, minimum order quantities apply)

RM Industries Engine Insulation is a high performance composite product for the most severe engine noise applications. Composites are designed to provide enhanced acoustic performance by combining materials with different noise reduction capabilities into the one product.

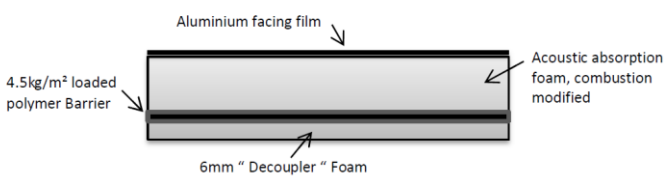
Engine Insulation is comprised of the following materials:

Back - Foam decoupler (6mm open cell foam, hydrolysis resistant, combustion modified)

Barrier layer - 4.5 kg/m<sup>2</sup> loaded polymer barrier, high performance even at low frequencies.

Front - Acoustic absorption foam (typically 12mm or 25mm open cell foam, hydrolysis resistant, combustion modified).

Facing - Tough aluminium polymer film, oil and water resistant.

	<p><b>Acoustic performance</b> (C,Ctr)</p> <p>4.5kg Loaded Polymer Barrier <b>Rw 27</b> (-1,-3)  <i>with</i>          12mm Acoustic Foam <b>NRC 0.50</b>  <i>or</i>          25mm Acoustic Foam <b>NRC 0.60</b></p>
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Engine Insulation should be used with the foil side facing towards the source of noise. It can be easily cut to size using a sharp knife. Surfaces should be clean and free of oil and dust. Apply contact adhesive to substrate and decoupling foam faces and adhere using adhesive instructions.

Mechanical fixing should be used if possible by impaling engine insulation on pin/clip fasteners on 600mm centers, especially if used overhead.

Operating Temperature Range: -40°C to 100°C (Continuous) -40° to 120°C (Intermittent)  
 Thermal Conductivity: 0.033W/mK (Typical Value of PU Foam)  
 AS1530.3 1999: Ignitability 0 / Spread of Flame 0 / Heat Evolved 0 / Smoke Developed 1

Applications	Features and benefits
Marine Engines	Easy to cut
Machinery noise	Easy to install
Compressors	Excellent noise barrier
A/C units	Easy to clean aluminium surface
Pumps	Can be supplied with adhesive (PSA)
Generators	Supplied in sheets
Turbines	
Engine noise	
Automotive applications	