RESOMAT PREMIUM
Top Performance Sound Deadener
SELF ADHESIVE

APPLICATIONS
- Enclosures
- Air conditioning
- Compressors
- Generators
- Transport and automobile panels
- Doors
- Headliners
- Floors
- Quarter panels
- Lightweight marine panels
- White goods
- Sinks
- Metal deck roofing
- Computer peripherals

ADVANTAGES
- Broad temperature range
- Low flammability
- Chemical resistance
- Easily cut to size
- High performance PSA backing
- Highly reflective facing
- Lightweight and maximum performance
- Easy to install
- Reduces resonant vibration
- Eliminates tinniness and ringing
- Increases transmission loss

Used by leading Australian Automotive & overseas manufacturers to create a quieter, safer & more luxurious ride

OUT PERFORMS COMPETITORS
Resomat Premium, when used in automotive applications improves in-car acoustics reducing noise levels, enhancing audio and the quality of the ride.

Resomat Premium is a foil faced, highly flexible, constrained layer damping material with a pressure sensitive self adhesive for easy application. Simply peel off the backing layer and apply. Due to the product's natural flexibility, it will conform to uneven surfaces without the use of a heat gun.

Resomat Premium is made from new generation polymers that maintain their ability throughout their application life. These new generation polymers do not give off odour, harden, or go brittle overcoming problems of older style damping materials.

The flexibility of the material combined with its adhesive film makes Resomat Premium easy and simple to apply without specialist tools or techniques.

Resomat Premium is designed to reduce the vibration and sound transmission of light gauge metals and plastic structures. In doing so, Resomat Premium reduces the tinny, ringing noise created in such structures.

**EASY TO INSTALL**

Ensure area is clean, free of grease, rust & flaking. Peel backing paper from the Resomat

Place the Resomat in position and press firmly

Using a small roller work to shape of area

Job complete

Fitting RESOMAT to doors as shown enhances audio and blocks out unwanted noise.

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>STANDARD PRODUCT</th>
<th>THICKNESS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resomat Premium</td>
<td>1.3mm nominal</td>
<td>3.3kg/m²</td>
</tr>
</tbody>
</table>

**FLAMMABILITY PROPERTIES**

<table>
<thead>
<tr>
<th>TEST METHOD</th>
<th>INDEX</th>
<th>RESULT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL-94</td>
<td>After flame time ≤ 2 seconds</td>
<td>HF-1</td>
<td>Horizontal burn test for foam materials</td>
</tr>
<tr>
<td>FMVSS-302</td>
<td>Burn Rate mm/min</td>
<td>Self-Extinguishing</td>
<td>Automotive burn rate test</td>
</tr>
</tbody>
</table>

**MATERIAL PROPERTIES**

<table>
<thead>
<tr>
<th>SP. GRAVITY</th>
<th>PEEL STRENGTH (BPY STAINLESS STEEL/25MM)</th>
<th>MINIMUM APPLICATION TEMPERATURE</th>
<th>MAXIMUM CONTINUOUS OPERATION TEMPERATURE</th>
<th>MAXIMUM INTERMITTENT OPERATION TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>-2.5</td>
<td>&gt;24</td>
<td>- 10 °C</td>
<td>100 °C</td>
<td>100 °C</td>
</tr>
</tbody>
</table>

**PERFORMANCE SYSTEM LOSS FACTOR (µ)**

<table>
<thead>
<tr>
<th>Material</th>
<th>System Loss Factor (µ)</th>
<th>Tested to ASTM E756-83/ISO 6721-3</th>
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</thead>
<tbody>
<tr>
<td>Steel</td>
<td>1 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>Aluminium</td>
<td>0.3</td>
<td>Fibre reinforced plastic</td>
</tr>
<tr>
<td>Fibre</td>
<td>0.45</td>
<td></td>
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</tbody>
</table>