



SOUND GUARD

DESCRIPTION

Gets rid of annoying road, engine and gearbox noise in vehicles, improves a speaker's sound quality stops rattles and buzzes.

With high adhesion back side, it conforms and fuses easily to sheet metal and other hard substrates.

Most effective temperature ranges between - 20°C to +60°C. Material can withstand temperature extremes between - 40°C to +150°C.

High vehicle noise levels cause driver fatigue and irritation, and will affect the way music sounds out of speakers.

CHARACTERISTICS

- Waterproof, heavy duty, clean, light, flexible, non-absorbent surface
- Fire resistant
- Effective in extreme temperatures
- Easy to install
- No special glues or heat guns required
- Self-adhesive, peel and stick.
- Safe to handle with no special clothing or breathing Equipment

APPLICATIONS

Material can be die cut to shape and placed onto the body surface directly on painted panels or after the sheet metal is cleaned before painting.

It is used to treat metal panels, partitions, ducts, doors, bins, panels, and so forth in the automotive, industrial, marine and agricultural sectors.

It can also be used for ventilation ducts, relay cabinets, steel furniture and home appliances such as sink units, computer equipment, machine tools and many other objects that suffer from vibration-produced noise.

INSTALLATION

- Use scissors, knife or die to cut material to the desired size.
- Next, remove dust, grease and moisture from the application surface.
- Peel off the backing.
- The simplest application technique is to bend the mat slightly and attach it along its shortest edge.
- Press the mat firmly into place, using a Roller Application for larger pieces.
- The roller reduces the risk of leaving air pockets, which reduce material's sound damping capacity.
- Heating the material is NOT necessary based on the panel surface.
- Work gloves should be used when handle foil backed material because the sharp edges when cut to different size

SPECIFICATIONS

Appearance:

Black E-TAC butyl Rubber based core with 4 mil Black and Silver aluminium constraining layer, white paper release liner

Thickness:

1.8mm

Mass:

2.20kg/m²

Test: Stop Noise in vehicle:

Whole Sound Deadener in 5 seats car Stop Noise ≥ 8.8 dB

Test: Heat Insulation in vehicle:

Whole Engine Hood in Car Heat Insulation Rate $\geq 95\%$

Temperature Range (Resistance):

-54°C to +149°C

Adhesive Peel Strength:

74.8 N/cm on cold steel

Chemical Resistance:

Resistant to water and mineral oils

ISO Approved:

ISO2001: 2008

Handling & Application:

Material must be stored at room temperature for best application

Storage Information: Number of Sheets in Box:

9 max Material must be stored horizontally with backing or folded once over in its packaging.



NOISE AND HEAT REDUCTION



SOUND GUARD

TECHNICAL INFORMATION

Coverage per sheet:

0.37m²

Weight per sheet:

0.82 kg

Dimensions per sheet:

457mm x 812mm

Sound Guard Uses:

If these vibrations can be blocked out, your car feels like it is virtually floating on the road. When Sound Guard is used on the inside of your sheet metals, in strategic locations where road noise is highest, it does an amazing job of capturing these vibrations, in a unique process that transforms vibrations into heat, heat that is then silently dissipated into air.

Make a smart choice with Sound Guard, a sound deadener that is extremely easy to install, resulting in sound and vibration reduction that is 300% more effective than conventional sound deadeners that retail for much higher prices.

Automotive:

Reducing road noise in a car is an art. When a car rolls along a road, it picks up thousands of vibrations, vibrations that reverberate into the car's sheet metal structure. Engine noise, tyre noise and even exhaust drone can all blend into a cacophony that we call "road noise".

Industrial:

Reducing noise and vibrations in the Industrial sector in working machines.

Marine:

Reducing noise and vibrations in your boats engine bay, or speaker boxes.

Agricultural:

Reducing noise and vibrations in your tractor or generator room or box.



NOISE AND HEAT REDUCTION

52 Corundam Avenue, Mayfield Park, Johannesburg, 2190 • Phone: 083 713 7376 • www.noiseandheatreduction.co.za