

FAQ's

Mat
Sound-Shield

How much will Q-Mat Sound-Shield quieten my car?

It depends on how much you apply, where you apply it and how well it was applied. For example, applying just a full Q-Mat Sound-Shield door kit can reduce road and traffic noise by about 3dB. Further floor, boot and roof fitment may reduce noise to a total of 6dB. The contrast between 'before and after' is obvious. Engine, wind, traffic, vibration and tyre noise will be fraction of the level it had been before. With Q-Mat deadening, your original sound system will sound better. The mid range and high frequency will be clearer and more defined. The bass response becomes more solid. You will find that when you shut your doors, you get a solid thump much like a more expensive luxury car. Tap the doors from the outside with your knuckles and you get a satisfying deep thud – not a tinny rattle!

What part of the vehicle should I do first?

It is recommended that you apply a full door kit first. A majority of outside noise comes into the car through the doors. As speakers are generally mounted in the doors, the fitment of Q-Mat Sound-Shield can increase the speakers performance. The doors sheet metal may be vibrating and create resonance noise in the door. Fitting a door kit can make the biggest initial difference. It is recommended to apply Q-Mat Sound-Shield to both outer and inner door skins for the best affect – usually 2 sheets per door is required.

Is it necessary to use deadening when upgrading the audio system?

Most people don't realize how noisy their cars really are. Most cars are inherently noisy acoustical environments. For example, inside your car you will hear noise from the engine, exhaust, road & tyres, wind, traffic and all other outside sounds. When combined with light weight sheet metal, plastic and glass no wonder it is noisy with very little in the way of manufacturers sound deadening materials. Stereo speakers are mounted in quite flimsy sheet metal door panels which can also vibrate or cause resonance whilst driving. If the audio system is enhanced with bigger and better speakers and then the amplifier power is upgraded, then without Q-Mat Sound-Shield, vibration and resonance increases dramatically and sound quality suffers.

How much weight will be added when full car is installed?

A 9 sheet kit of Q-Mat Sound-Shield weighs just over 11kg, which is sufficient for 4 doors. If Q-Mat is fitted to all doors and the boot, then it is likely that the weight will add about 20kg – about the same as an airline suitcase. It is negligible when a typical car weighs 1500kg. The weight is also evenly spread around the car so road handling and balance is not affected.

Why choose Q-Mat Sound-Shield ?

Our product is specially designed for automotive applications. We use the best raw materials and best processing technology, with strictly quality control. The Mongoose Q-Mat Sound-Shield material is a light-weight, elastomeric butyl and aluminium constrained-layer vibration damper. With multi-layer composite, Q-Mat Sound-Shield not only reduces noise and vibration but can also isolate the heat from outside the car. The Q-Mat Sound-Shield is easily cut and moulded to all the variety of shapes inside your vehicle and self adheres to sheet metal and other hard surfaces. (Not suitable for under bonnet applications)

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Q-MAT Sound Deadening

Thank you for choosing Q-Mat – it's the most effective improvement you can make to your motor vehicle. Please read this fitting guide so that you can get the best performance from this product.

- Reduces Traffic, Road & Tyre Noise
- Reduces Exhaust & Mechanical Noise
- Dampens Vibration
- Dampens Resonance
- Improves the Sound of your Audio System
- Insulates from Outside Heat
- Self Adhesive to Most Clean Surfaces
- Sheet Size: 800mm x 460mm x 1.8mm



www.mongoose.com.au
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Doors

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Step 1



- Remove the door panel, speaker and any other fittings such as door handles and latches. Be careful not to break any door trim fittings.
- Make notes or take photographs of how parts fit so re-assembly is made easier.
- Keep all screws and fasteners together in a container.

Step 2



- Thoroughly clean the surface to which the G-Mat is to be applied. Installation must be carried out the surface is dry and contaminant free.
 - Cut the G-Mat to the desired size and shape with a sharp blade knife or scissors.
- TIP:** the moisture barrier can be used as a template and to mark where door handles and wires are located.

Step 3 Outer door panel



- Outer door panels are best covered by vertical strips ensuring all main panels are covered.
- Remove the backing paper and press the G-Mat firmly to ensure the material is sticks firmly onto the surface.
- A heat gun can be used to make the G-Mat more pliable and a roller to iron out any wrinkles.

Step 4 Inner door panel



- Inner door panels are best covered by full sheets
- Mark and cut for door handles, speakers, wiring, etc
- By using the original moisture barrier as the template, trim the edges of the G-Mat so it doesn't protrude beyond the door trim.

Step 5



- Re-fit the speaker.
- Connect all cables, door latches, etc.
- Test the opening and closing of the door and window before refitting the door panel.

Floor & Roof

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Step 1



- Floors:** Remove the seats and carpet. Be careful not to break any trim fittings.
- Roofs:** Remove grab handles and interior light fittings before removing the headlining.
- Make notes or take photographs of how parts fit so re-assembly is made easier.
 - Keep all screws and fasteners together in a container.

Step 2



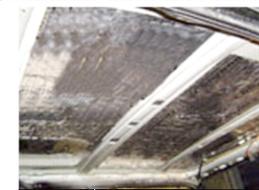
- Thoroughly clean the surface to which the G-Mat is to be applied. Installation must be carried out the surface is dry and contaminant free.
 - Cut the G-Mat to the desired size and shape with a sharp blade knife or scissors.
- TIP:** Do not remove the factory sound proofing – fit the G-Mat over the top.

Step 3



- Boot and roof panels are best covered by larger sheets of G-Mat.
- Remove the backing paper and press the G-Mat firmly to ensure the material is sticks firmly onto the surface.
- A heat gun can be used to make the G-Mat more pliable and a roller to iron out any wrinkles.

Step 4 Inner roof panel



- Mark and cut for grab handles and interior light fittings
- Trim the edges of the G-Mat so it doesn't protrude beyond the original roof headlining when refitting.

Step 5 Floors



- Ensure the G-Mat doesn't cover seat and trim anchor points or other service access covers (eg. fuel tank sender unit)
- Refit carpet and seats.