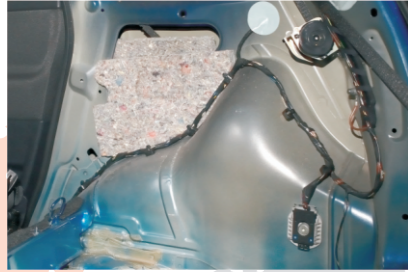


Wheel arches



The rear wheel arches and trunk area are the noisiest parts in vehicles. Many cars are front wheel driven so the construction of the front of the vehicle is much stronger as the rear. Manufactures pay more attention to kill the noises in the front and forget about the rear of the car. These days many cars are hatch-backs or wagons where noises in the trunk travel straight in the cabin. In the front on the floor there is also a thick carpet that stops the noise much better than the thin trunk skin. Cover all possible big metal surfaces with **Silent Coat** to prevent metal rattling and save the weight.



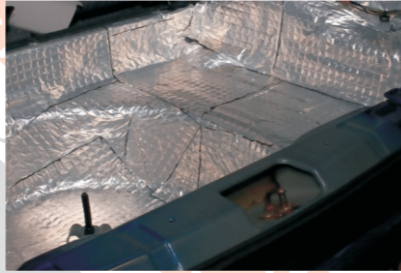
Use **Silent Coat Extra** for the wheel arches as the wheel arches are the areas where a lot of penetrating noises appear.

Use **Silent Coat Noise Isolator** directly on the wheel arches if possible.



Close the tunnels from rear mudguard to the roof with **Silent Coat Noise Isolator** or **Silent Coat Sound Absorber** cushions.

Trunk and floor



**SILENT
COAT**

**SILENT
COAT**
your car!

VIBRATION DEADENING
NOISE ISOLATING
SOUND ABSORBING MATERIALS



Door and door trim insulating



Most of materials used for doors improve acoustics of speakers. Even a small amount of materials installed in the door can improve the performance of speakers. Many penetrating noises from the front wheel arcs also enter the cabin through the doors. Road noises can be significantly reduced by a careful car door damping. Cover the metal panels with **SilentCoat** or **SilentCoat Extra**. Close the holes in the doors to improve Bass response of the speakers and reduce the distortion in mid-low frequencies.

Cover the metal panels with **SilentCoat** or **SilentCoat Extra**. Close holes in doors to improve Bass response of the speakers and

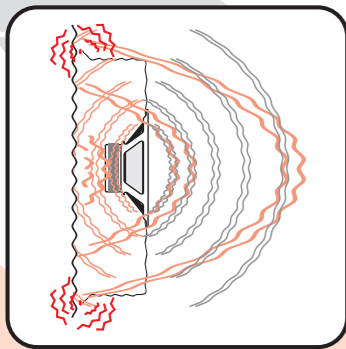


reduce distortion in mid-low frequencies. It is important to cover the inside of trim panels with **SilentCoat Sound Absorber** to reduce the penetrating noises as much as possible.

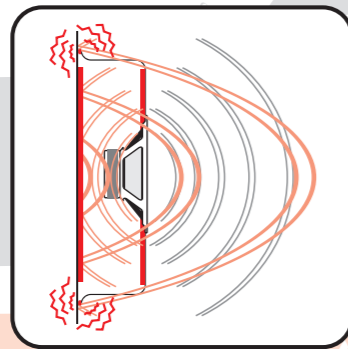


The car damped in such a manner becomes much more accoustically comfortable (quieter), especially when driving at a speed over 80 km/h. The reduction of self noises can reach up to 9 db on the noisy decks. Overall the result of the typical road tests shows a reduction of noises 5-7db. The musical performance also improves a lot. The metal parts do not resonate and the damped trim parts and the roof reduces the reflections. Increase your driving and listening pleasure!

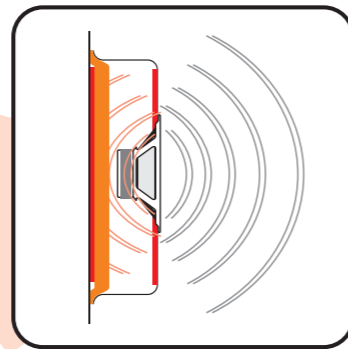
**LESS NOISE
MORE MUSIC**



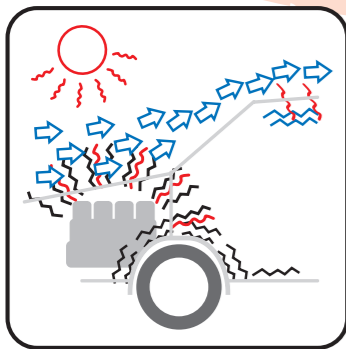
**NO
Damping**



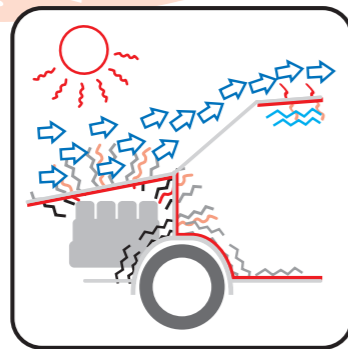
**SILENT
COAT**



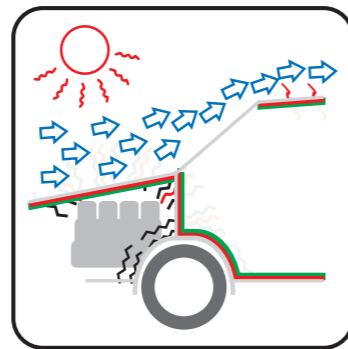
**SILENT
COAT 35
FORMED
SOUND ABSORBER**



**NO
Damping**

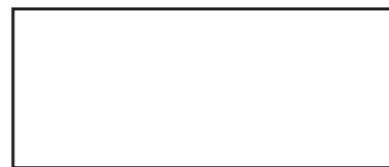
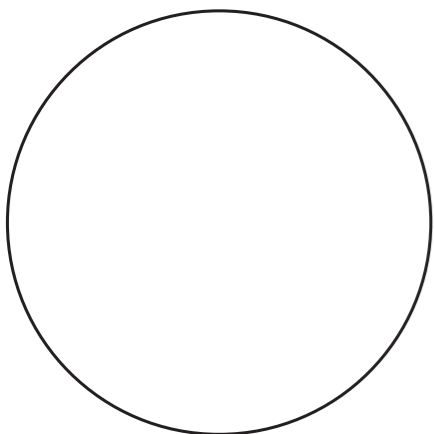


**SILENT
COAT**



**SILENT
COAT 12
NOISE ISOLATOR**

Vibration deadening materials



New significantly improved resonance & sound deadening material. New resonances killing surface relief embossing. Self adhesive. Lightweight. Not necessary additional surface cleaning neither using heat gun. Low self resonance frequency. Has hermetic and anti corrosion characteristic.

New 4 layer design. 4mm thick to be approved by db rules. Lower layer synthetic mastic kills metal resonance middle bitumen-synthetic rubber layer increase the stiffness of the system and top mastic+aluminium layer better absorbs vibrations created by speaker. Self adhesive. Approximate weight 6,15kg/m²

Noise insulation materials

Foamed polyethylene materials mainly for road-noise (penetrating) noise damping on the floors and wheel arcs where moisture resistance is critical. Specific structure or foaming technology makes it working the best under the carpets. Good thermal isolation characteristics.



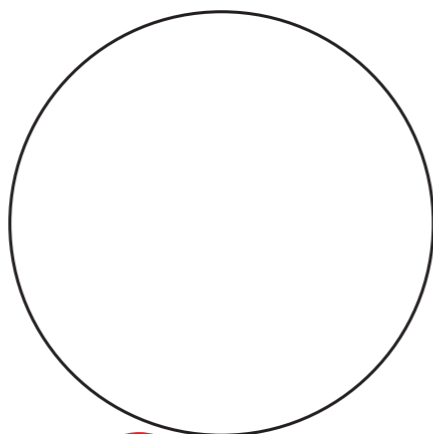
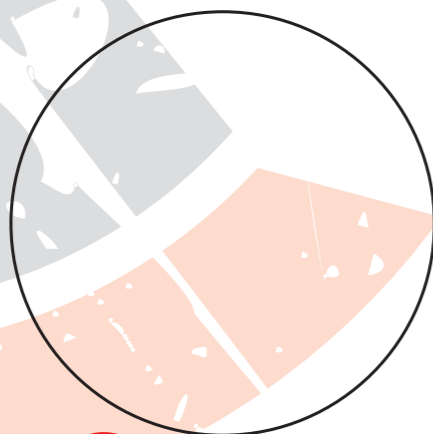
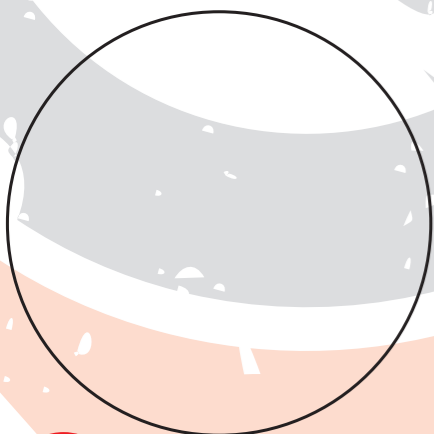
NEW

Foamed butyl based high density 50kg/m³ Noise Isolation material. Hardly flammable. Moisture resistant. Specific elastomeric features make this material as great rattle preventer. Water based pressure sensitive glue on trim base prevents material from starching during installation.



Sound absorbing materials

Unique polyurethane sound absorbing material. Provide 3 times better sound absorption as other polyurethane materials. Specific elastics in the material makes it a great product to kill plastic rattling. Available in formed cuts. Starts to absorb frequencies already in low spectrum below 100Hz. Great also for thermal isolation. Can be used also in sound studios and listening rooms as absorber wave deflator.



High density 37kg/m³ hardly flammable polyurethane Noise Isolation material with aluminized cover. Specially designed for use in engine compartment. Aluminium layer reflects heat waves and transforms the engine noises in mechanical energy to be absorbed by foam. Water based pressure sensitive glue on trim base prevents material from starching during installation.

NEW

Vehicle roof insulating

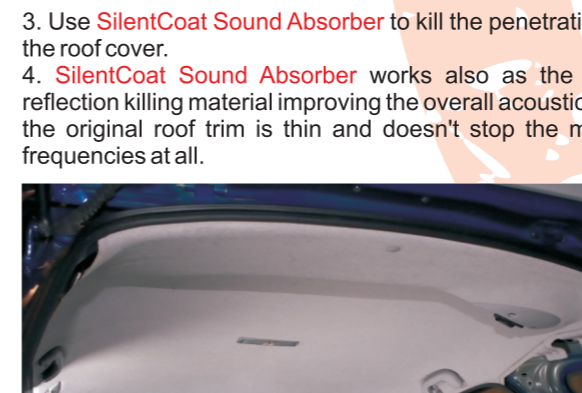


Quick steps to reduce the roof resonance:

1. Divide the roofing surface in 2-4 blocks using the stripes of **SilentCoat Extra**, it doesn't allow to resonate the roofing surface as one, but it blocks the noise in the divided areas.



2. Cover the remaining big surfaces with SilentCoat. The application of **SilentCoat** doesn't increase the weight. Use **SilentCoat Extra** for more serious installs.



**LESS NOISE
MORE MUSIC**

Interior panel insulating

To reduce the road noise level we recommend to cover the wheel arche covers and also all the plastic interior trim parts with as thick as possible **SilentCoat Sound Absorber** sheets. Plastic parts often are so thin that they cannot be counted as serious noise absorbents **SilentCoat Sound Absorbers** also are great to prevent plastics to rattle against the car body or one another.

