

 **AcousticSupplies**



IMPROVING the
QUALITY of **LIFE** in modern
HIGH RISE LIVING

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VIBRAMAT®



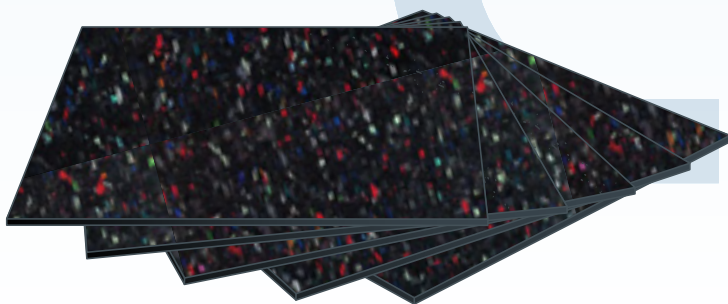
his
FLOOR...

Vibramat® | Acoustic Underlay

Vibramat® is specifically designed to be used under tiles and timber floors in high rise buildings for the purpose of reducing footfall and impact noises. The way a resilient underlay like Vibramat® works, is by absorbing (and to a certain extent reflecting) as much impact noise as possible before allowing the energy to reach the structure of the building. This is what acoustic engineers commonly refer to as 'impact isolation'.

The raw materials used in making Vibramat® come from either recycling old tyres, collecting waste rubber in the form of off-cuts from shoe factories etc.

Distinct from other manufacturers of Acoustic Underlay, Vibramat® comes in flat sheets measuring precisely 1.1m x 1.1m for much easier installation compared to rolled underlay. Stock standard thicknesses are 3mm, 4mm, 5mm and 10mm in the 100% rubber type. Other thicknesses e.g. 15mm can also be made to order.



her
CEILING

BENEFITS

- High performance at low cost.
- Effective solution in meeting or exceeding the BCA acoustic requirements.
- Environmentally responsible by using recycled and waste raw materials.
- Comes in flat sheets that do not curl during the installation process of gluing down.
- A full pallet will fit easily into a lift hoist.

VIBRAPAD™

ACOUSTIC treatment for FLOORING in HIGH RISE buildings

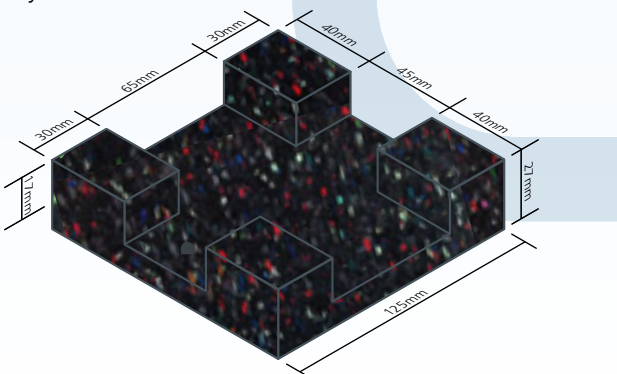


VIBRAPAD™ | Acoustic Isolation Pad

Vibrapad is a unique resilient rubber pad system which provides for higher level of floor impact isolation compared to a conventional underlay system. Vibrapad works by mainly absorbing as much impact noise as possible before allowing the energy to reach the structure of the building.

The recommended spacing between each Vibrapad is 450mm centre to centre, and is designed for standard hardwood battens to fit snugly. The biggest advantage of having timber battens is that it can be spot planed and leveled very quickly and economically. With the battens leveled, a particleboard subfloor or traditional tongue and groove timber floorboards could now be nailed onto the hardwood battens. The performance of Vibrapad system could be enhanced by using polyester or glass fibre Insulation between the hardwood battens.

Vibrapad is manufactured using very high quality granulated recycled rubber for precise dimensional accuracy and uniformity.



BENEFITS

- Higher performance at even lower cost.
- A system that will more than exceed the BCA acoustic requirements.
- Environmentally responsible by using recycled and waste material.
- Easy and economical way to level a floor by shaving the timber battens.

QUIETER plumbing through WASTEPIPE INSULATION

VIBRALAG™

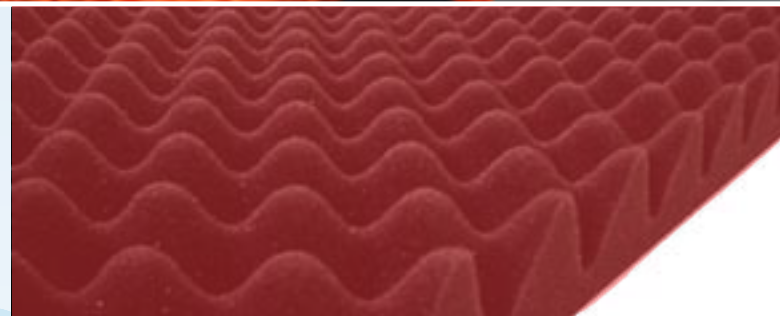
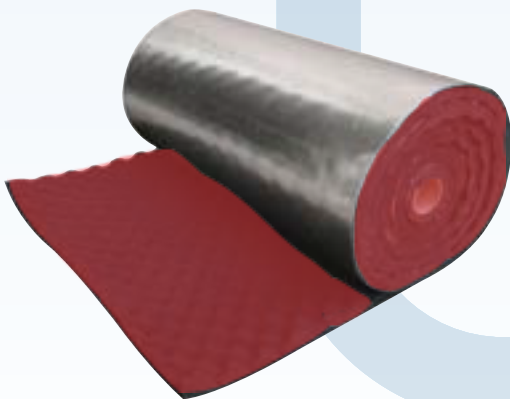
VIBRALAG™ | Acoustic Lagging

Vibralag is a time and cost effective solution for treating noisy waste, supply and storm water pipes. It has been designed to meet and exceed the acoustic requirements of the Building Code of Australia (BCA) when coupled with standard riser and building systems.

The product is a composite of three layers of different materials, each serving their own very specific purposes:

- The aluminium foil on the outside provides the desired fire and flame resistance rating.
- The heavy and flexible barium loaded rubber composite middle core, provides the 'limp mass' in trapping the noise.
- The inner layer of convoluted foam is for 'mass-decoupling' the limp mass from the noise radiating pipe wall and also benefits by absorbing the noise being trapped inside the lagging.

Vibralag is available in two weights: 5 kg/m³ and 8 kg/m³ (On Request). Generally, the heavier the lagging material the better they perform. In most cases, the 5 kg/m³ Vibralag is sufficient.



BENEFITS

- Effective sound absorption and attenuation.
- Easy to use and install.
- Material easy to cut to size with basic cutting tools.
- Time and cost effective solution to aid compliance with the BCA.
- Versatile range of environmental applications.

INSTALLATION GUIDE

Vibralag is supplied in rolls. The standard length of each roll is 4m long and 1m wide. Aluminium ducting tape is recommended to be used on all laps and joints. The table below is a conservative coverage guide for commonly used pipe sizes. This calculation is based on a minimum of 25mm lapping, plus cutting wastages.

Pipe Diameter	One Roll Lags (Lineal Metres)
50mm	Approx. 12m
100mm	Approx. 8m
150mm	Approx. 6m
225mm	Approx. 4m

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