

March 5, 2019

Multipod International Pty Ltd
Re: Impact Sound Insulation Summary

We have carried out impact sound insulation testing of Multipod International pedestals in the field, under various installation conditions. The following Impact Sound Insulation improvements have been derived from the samples tested when compared to a bare 200mm concrete slab tested at the same site location. Note that lower L_{nTw} results indicate better performance for impact sound.

Test Configuration	Weighted Standardised Impact Sound Pressure Level, L_{nTw}	Improvement over 200mm bare concrete slab
200mm concrete slab with exposed soffit	65 dB	-
Tiles on Multipod Type 001, 15mm void over 1mm rubber shim placed between tile and Multipod 200mm concrete slab with exposed soffit	47 dB	18 dB
Tiles on Multipod Type 002, 32mm void over 1mm rubber shim placed between tile and Multipod 200mm concrete slab with exposed soffit	45 dB	20 dB
Tiles on Multipod Type 003, 87mm void over 1mm rubber shim placed between tile and Multipod 200mm concrete slab with exposed soffit	43 dB	22 dB

The Multipod pedestals with 1mm rubber shims provide a significant improvement (18-22dB) in impact sound over a bare concrete slab and comply with National Construction Code without a ceiling suspended below.

Regards



Director