

Table 1 below presents the typical impact floor performance and recommended criteria which can be used as a comparison to the measured level.

**Table 1 Typical Performance of Floor Systems and Recommended Criteria**

Floor Covering	Descriptor	Level
175 mm concrete slab	$L_{nt,w}$	72
Medium-pile carpet with 10mm thick standard soft foam/felt underlay, 200mm thick concrete slab, suspended ceiling below	$L_{nt,w}$	30-35
Medium-pile carpet with 10mm thick standard soft foam/felt underlay, 200mm thick concrete slab, no ceiling below	$L_{nt,w}$	35-40
Hard floor surface on high-performance acoustic underlay system (full floating floor) with suspended ceiling below	$L_{nt,w}$	45
AAAC* 6 Star Rating Floor	$L_{nt,w}$	40
AAAC* 5 Star Rating Floor	$L_{nt,w}$	45
AAAC* 4 Star Rating Floor	$L_{nt,w}$	50
AAAC* 3 Star Rating Floor	$L_{nt,w}$	55
AAAC* 2 Star Rating Floor	$L_{nt,w}$	65
Minimum standard in the Building Code of Australia (BCA) Acoustic Provisions	$L_{nt,w} + CI$	62

\* The Association of Australian Acoustical Consultants (AAAC) has recently published a booklet entitled *Acoustical Star Ratings for Apartments and Townhouses*.

THE LOWER THE NUMBER THE BETTER THE  
ACOUSTIC PERFORMANCE