

20 October 2016

TH631-01F03 Acoustic Letter (r0)

Alex Veryinis  
Provident Homes

To whom it may concern,

## 4 Innesdale Road, Wollri Creek - Acoustic flooring

In response to the following floor/ ceiling details provided by Provident Homes

### LIVING AREAS;

- 180mm R.C Slab (*refer attached Engineers Statement*),
- 20mm Carpet and Underlay, or direct glue-fixed floor tiles
- No False Ceiling (*bathroom exhaust duct concealed within top of cupboards or vented to main building services ducts*)
- 2700mm ceiling height

Total 2900mm FFL to FFL

### BATHROOMS

- 180mm R.C Slab (*refer attached Engineer Statement*),
- 30mm Tile floor
- 2400mm ceiling height
- 290mm false ceiling cavity concealing plumbing to stacked bathrooms above

Renzo Tonin & Associates confirm that the proposed 180mm slab thickness will comply with the airborne requirements of the BCA Part F5 2016.

Carpet and underlay over the concrete slab will comply with the impact noise requirements of the BCA Part F5 2016.

Acoustically treated tiled floors on a 180mm concrete slab with a suspended ceiling beneath will comply with the airborne and impact noise requirements of the BCA 2016.

Please note that the impact requirements for floors separating sole occupancy units in Class 2 and 3 buildings have changed in 2016. The requirements have changed from an  $L_{n,w} + CI$  of not more than 62 to an  $L_{n,w}$  not more than 62, making the requirements for tiled floors more difficult to achieve.

Regards,



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