



PARTY WALLS

ACOUSTIC OPINIONS

PERFORMANCE INFORMATION

The Nasahi® Party Wall System has been designed and verified by qualified acoustic engineers to provide excellent acoustic performance in low-rise multi-residential installations.

Walls in a Class 2 or 3 building separating sole occupancy units must have airborne sound insulation of $R_w + C_{tr}$ greater than 50db, or a $D_{nT,w} + C_{tr}$ of greater than 45dB. The Nasahi® Party Wall System exceeds this requirement, and by incorporating a 20mm discontinuity it complies with all relevant NCC requirements.

Table - Nasahi® Party Wall System Acoustic Performance

NASAHI® SYSTEM	**VARIATION **	R_w (Ctr)	SYSTEM DETAILS
P50-T70-01 P50-T90-02 P50-S76-03 P50-S92-04	70mm Timber 90mm Timber 76mm Steel 92mm Steel	61 (-14)* 60 (-8) 65 (-15) 66 (-13)	10mm Standard PB **Wall Frame** R2.0 Insulation 20mm cavity 50mm Nasahi® Panel 20mm cavity R2.0 Insulation **Wall Frame** 10mm Standard PB
P50-T90-05 P50-T90-06 P50-T90-07 P50-T90-08 P50-T90-09	13mm Standard PB 13mm Acoustic PB -/120/90 Fire Rated PB 10mm Water Resistant PB 6mm FC Sheet	59 (-4) 58 (-3) 59 (-4) 59 (-6) 64 (-8)	**Wall Lining** 90mm Timber Frame R2.0 Insulation 20mm cavity 50mm Nasahi® Panel 20mm cavity R2.0 Insulation **Wall Lining**

* $D_{nT,w}$ (Ctr) values reported for 70mm Timber Frames

□ Reference: TH736-01F02(R8) Renzo Tonin & Associates dated 16 April 2021.

□ Reference: TH736-01F03 Opinion Letter (R0), Renzo Tonin & Associates dated 29 Feb 2016.