

Partiwall® Systems

FRL 60/60/60 (System Type 25TP)

Assembly	System Reference	Nom Width (mm)	Stud Size (mm)	Pbd Weight (kg/m ²)	Fire FRL Basis	Acoustic Ratings			Total R Value (m ² K/W)
						R _w	R _w +C _{tr}	Insulation	
 <p>(Insulation not shown for clarity)</p>	25TP1010A								
	1x25mm Shaftliner™ panel 1x10mm Soundstop® plasterboard to each side of timber frame	225	70	36.9	60/60/60 FCO-2256	60	47	R2.0 glass wool or 100P14 both sides	-
		225	70			62	50	90G32 both sides	5.88
		265	70 or 90			59	48	110mm thick Boral Partiwall® Acoustic batt one side only	-
		265	70 or 90			63 CSIRO TL469a	53	110mm thick Boral Partiwall® Acoustic batt both sides	5.27
		285	90			62	50	R2.0 glass wool or 100P14 both sides	4.84 or 4.98
	295	90			65	55	110mm thick Boral Partiwall® Acoustic batt both sides	5.76	
 <p>(Insulation not shown for clarity)</p>	25TP1313A								
	1x25mm Shaftliner™ panel 1x13mm ENVIRO Soundstop® plasterboard to each side of timber frame	231	70	42.9	60/60/60 FCO-2256	61	49	R2.0 glass wool or 100P14 both sides	-
		231	70			62	50	90G16 both sides	5.29
		271	70 or 90			62 CSIRO TL429e	50	R2.0 glass wool both sides	4.84
		271	70 or 90			62 CSIRO TL444	50	100P14 both sides	4.92
		271	70 or 90			57 CSIRO TL429b	44	85P9 both sides	-
	281	90			65	55	110mm thick Boral Partiwall® Acoustic batt both sides	5.29	
 <p>(Insulation not shown for clarity)</p>	25TP2020								
	1x25mm Shaftliner™ panel 2x10mm Regular plasterboard to each side of timber frame	245	70	47.7	60/60/60 FCO-2256	64	50	R2.0 glass wool or 100P14 both sides	4.59 or 4.39
		285	70 or 90			65 CSIRO TL429r	51	R1.5 glass wool both sides	3.69
		285	70 or 90			65	51	70P14 both sides	3.86
	295	90			67	56	110mm thick Boral Partiwall® Acoustic batt both sides	5.59	

- For explanation of System Reference notation refer Section B1 of Boral Selector+ Plasterboard Systems.
- Insulation abbreviation: XXGYY = Glasswool insulation in format of thickness (mm), G (Glasswool), Density (kg/m³), XXYYY = Polyester insulation in format of thickness (mm), P (Polyester), Density (kg/m³).
- Where two stud sizes are nominated for a particular wall width, the gap from the stud to the Shaftliner fire barrier:
 - provides a maximum allowable gap of 40mm for the 70mm stud or
 - meets the BCA requirement of a 20mm gap for the 90mm stud.