Note that the 2016 NCC requirement for **intertennancy** systems are: Airborne – Rw + Ctr must be 50 or higher (Higher numbers are better) Impact – Ln,w must be 62 or lower (Lower numbers are better)

			Calculated Acoustic Performance		
Floor System			Airborne Rw (Ctr)	Impact Transmission Ln,w(Cl)	
		Nasahi Panel Size		Tiles and 5mm thick rubber underlay	Carpet and foam underlay
Ор	otion 1: Nasahi Panel 250mm deeo timber joist No insulation One laver of 10mm standard plasterboard	50mm	48(-6)	73 (-7)	46 (-5)
		62mm	48 (-5)	73 (-6)	46 (-5)
		75mm	49 (-5)	65 (-2)	43 (-3)
Op [.]	otion 2: Nasahi Panel 300mm deeo timber joist No insulation One laver of 10mm standard plasterboard	50mm	48 (-5)	73 (-6)	46 (-5)
		62mm	49 (-5)	73 (-5)	46 (-5)
			49 (-5)	66 (-1)	42 (-2)
Op	ption 3: Nasahi Panel 250mm deep timber ioist with resilient mounts and furring channels 75mm thick polvester insulation or equivalent glasswool One laver of 13mm fire rated plasterboard	50mm	61 (-4)	60 (-6)	36 (-4)
•		62mm	62 (-5)	59 (-5)	36 (-4)
 Or pla 		75mm	62 (-4)	52 (-2)	31 (-2)
Ор	ption 4: Nasahi Panel 300mm deep timber ioist with resilient mounts and furring channels 75mm thick polvester insulation or equivalent glasswool One laver of 13mm fire rated plasterboard	50mm	61 (-4)	59 (-5)	36 (-4)
•		62mm	62 (-4)	59 (-5)	36 (-4)
•		75mm	62 (-4)	52 (-2)	31 (-2)
Op	ption 5: Nasahi Panel 250mm deep timber ioist with resilient mounts and furring channels 75mm thick polvester insulation or equivalent glasswool One laver of 16mm fire rated plasterboard	50mm	61 (-4)	59 (-5)	36 (-4)
		62mm	61 (-3)	59 (-5)	36 (-4)
•		75mm	62 (-4)	52 (-2)	32 (-3)
Op	Dption 6: Nasahi Panel 300mm deeo timber ioist with resilient mounts and furring channels 75mm thick polvester insulation or equivalent classwool One laver of 16mm fire rated plasterboard	50mm	61 (-3)	59 (-5)	36 (-4)
•		62mm	61 (-3)	59 (-6)	36 (-4)
•		75mm	62 (-4)	52 (-2)	32 (-3)
Op	Dption 7: Nasahi Panel 250mm deeo timber ioist with resilient mounts and furring channels 75mm thick polvester insulation or equivalent glasswool Two lavers of 13mm fire rated plasterboard	50mm	63 (-3)	59 (-7)	35 (-3)
•		62mm	63 (-3)	58 (-6)	35 (-3)
•		75mm	64 (-4)	50 (-1)	30 (-3)
Op •	Dption 8: Nasahi Panel 300mm deep timber ioist with resilient mounts and furring channels 75mm thick polvester insulation or equivalent alasswool Two lavers of 13mm fire rated plasterboard	50mm	63 (-3)	59 (-7)	35 (-3)
		62mm	63 (-3)	58 (-6)	35 (-3)
•		75mm	64 (-4)	50 (-2)	30 (-3)

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		Calculated Acoustic Performance		
			Impact Transmission Ln,w(Cl)	
Floor System	Nasahi Panel Size	e Airborne Rw (Ctr)	Tiles and 5mm thick rubber underlay	Carpet and foam underlay
Option 9: Nasahi Panel	50mm	63 (-4)	59 (-7)	35 (-3)
mounts and furring channels 75mm thick polyester insulation or equivalent glasswool	62mm	63 (-4)	58 (-6)	35 (-3)
 One laver of 13mm fire rated plasterboard and one layer of 16mm fire rated plasterboard 	75mm	63 (-3)	50 (-1)	30 (-3)
Option 10: Nasahi Panel 300mm deep timber joist with resilie	50mm	63 (-4)	59 (-7)	35 (-3)
 mounts and furring channels 75mm thick polvester insulation or equivalent glasswool 	62mm	63 (-4)	58 (-6)	35 (-3)
 One laver of 13mm fire rated plasterboard and one layer of 16mm fire rated plasterboard 	75mm	63 (-3)	50 (-2)	30 (-3)
Option 11: • Nasahi Panel	50mm	62 (-3)	59 (-6)	35 (-4)
 Zsorini deeb timber lost with reside mounts and furring channels 75mm thick polvester insulation or populated approach 	62mm	62 (-3)	59 (-6)	35 (-4)
 Two lavers of 16mm fire rated plasterboard 	75mm	62 (-3)	51 (-2)	31 (-4)
Option 12: Nasahi Panel 300mm deep timber joist with resilie	50mm	62 (-3)	59 (-6)	35 (-4)
 Tomm takes timber lost with residence mounts and furring channels 75mm thick polvester insulation or equivalent classwool 	62mm	62 (-3)	59 (-6)	35 (-4)
 Two lavers of 16mm fire rated plasterboard 	75mm	63 (-3)	51 (-2)	31 (-4)
 Option 13: Nasahi Panel 19mm particle board 300mm deep timber joist with resilie mounts and furring channels No insulation One laver of 13mm fire rated plasterboard and one layer of 16mm fire rated plasterboard 	ent 50mm	65 (-3)	60 (-5)	34 (-3)
 Option 14: Nasahi Panel 19mm particle board 300mm deep timber ioist with resilie mounts and furring channels 75mm thick polvester insulation or equivalent glasswool One laver of 13mm fire rated plasterboard and one laver of 16mm fire rated plasterboard 	nt 50mm	63 (-5)	57 (-4)	31 (-2)

Results are based on Renzo Tonin & Associates Report: TH736-01F02(R6)

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