



VERSION 1.0

FLOORING

ACOUSTIC RATINGS

PERFORMANCE INFORMATION

Table - Nasahi Flooring Acoustic Ratings

NAsahi® SYSTEM	SYSTEM DETAILS	PANEL THICKNESS	ACOUSTIC IMPACT: Ln, w (CI)		
			AIRBORNE Rw (Ctr)	TILES & 5MM THICK RUBBER UNDERLAY	CARPET & FOAM UNDERLAY
FXX-T250-01 * OPTION 1	- Nasahi® Panel 250mm deep timber joist - No insulation 10mm standard plasterboard	50mm	48 (-6)	73 (-7)	46 (-5)
		62mm	48 (-5)	73 (-6)	46 (-5)
		75mm	49 (-5)	65 (-2)	43 (-3)
FXX-T300-02 * OPTION 2	- Nasahi® Panel 300mm deep timber joist - No insulation 10mm standard plasterboard	50mm	48 (-5)	73 (-6)	46 (-5)
		62mm	49 (-5)	73 (-5)	46 (-5)
		75mm	49 (-5)	66 (-1)	42 (-2)
FXX-T250-03 * OPTION 3	- Nasahi® Panel 250mm deep timber or steel joist with resilient mounts and furring channels. 450mm maximum floor joist spacing - R2.5 Glass Wool Ceiling Batt 13mm USG Boral fire rated plasterboard	50mm	61 (-4)	60 (-6)	36 (-4)
		62mm	62 (-5)	59 (-5)	36 (-4)
		75mm	62 (-4)	52 (-2)	31 (-2)
FXX-T250-04 * OPTION 5	- Nasahi® Panel 250mm deep timber or steel joist with resilient mounts and furring channels. 450mm maximum floor joist spacing - R2.5 Glass Wool Ceiling Batt 16mm USG Boral fire rated plasterboard	50mm	61 (-4)	59 (-5)	36 (-4)
		62mm	61 (-3)	59 (-5)	36 (-4)
		75mm	62 (-4)	52 (-2)	31 (-3)
FXX-T250-05 * OPTION 7	- Nasahi® Panel 250mm deep timber or steel joist with resilient mounts and furring channels. 450mm maximum floor joist spacing - R2.5 Glass Wool Ceiling Batt - Two layers of 13mm USG Boral fire rated plasterboard	50mm	63 (-3)	59 (-7)	35 (-3)
		62mm	63 (-3)	58 (-6)	35 (-3)
		75mm	64 (-4)	50 (-1)	30 (-3)
FXX-T250-06 * OPTION 9	- Nasahi® Panel 250mm deep timber or steel joist with resilient mounts and furring channels. 450mm maximum floor joist spacing - R2.5 Glass Wool Ceiling Batt - One layer of 13mm USG Boral fire rated plasterboard - One layer of 16mm USG Boral fire rated plasterboard	50mm	63 (-4)	59 (-7)	35 (-3)
		62mm	63 (-4)	58 (-6)	35 (-3)
		75mm	63 (-3)	50 (-1)	30 (-3)
FXX-T250-07 * OPTION 11	- Nasahi® Panel 250mm deep timber or steel joist with resilient mounts and furring channels. 450mm maximum floor joist spacing - R2.5 Glass Wool Ceiling Batt - Two layers of 16mm USG Boral fire rated plasterboard	50mm	62 (-3)	59 (-6)	35 (-4)
		62mm	62 (-3)	59 (-6)	35 (-4)
		75mm	62 (-3)	51 (-2)	31 (-4)

Reference Document : 1. Renzo Tonin & Associates, Report No. TH736-01F02 Acoustic Opinion R8, Dated 16th April 2020.