



Party Wall System	Calculated Acoustic Performance
	Airborne Rw (Ctr)
Option 1: <ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard ▪ 90mm timber stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 90mm timber stud ▪ One layer of 10mm standard grade plasterboard 	60 (-8)
Option 2: <ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard ▪ 76mm metal stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 76mm metal stud ▪ One layer of 10mm standard grade plasterboard 	65 (-15)
Option 3: <ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard ▪ 92mm metal stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 92mm metal stud ▪ One layer of 10mm standard grade plasterboard 	66 (-13)
Option 4: <ul style="list-style-type: none"> ▪ One layer of 13mm standard grade plasterboard ▪ 90mm timber stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 90mm timber stud ▪ One layer of 13mm standard grade plasterboard 	59 (-4)
Option 5: <ul style="list-style-type: none"> ▪ One layer of 13mm acoustic grade plasterboard ▪ 90mm timber stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 90mm timber stud ▪ One layer of 13mm acoustic grade plasterboard 	58 (-3)





Party Wall System	Calculated Acoustic Performance
	Airborne Rw (Ctr)
Option 6: <ul style="list-style-type: none"> ▪ One layer of 13mm fire rated plasterboard ▪ 90mm timber stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 90mm timber stud ▪ One layer of 13mm fire rated plasterboard 	59 (-4)
Option 7: <ul style="list-style-type: none"> ▪ One layer of 10mm water resistant plasterboard ▪ 90mm timber stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 90mm timber stud ▪ One layer of 10mm water resistant plasterboard 	59 (-6)
Option 8: <ul style="list-style-type: none"> ▪ One layer of 6mm fibre cement ▪ 90mm timber stud ▪ R2 insulation ▪ 20mm cavity ▪ 50mm Nasahi Panel ▪ 20mm cavity ▪ R2 insulation ▪ 90mm timber stud ▪ One layer of 6mm fibre cement 	64 (-8)

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

