



External Wall System	Nasahi Panel Size	Calculated Acoustic Performance
		Airborne Rw (Ctr)
Option 1:		
<ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard 	50mm	47 (-4)
<ul style="list-style-type: none"> ▪ 90mm timber stud 	62mm	47 (-4)
<ul style="list-style-type: none"> ▪ R2 insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	48 (-4)
Option 2:		
<ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard 	50mm	54 (-9)
<ul style="list-style-type: none"> ▪ 76mm metal stud 	62mm	54 (-7)
<ul style="list-style-type: none"> ▪ R2 insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	55 (-7)
Option 3:		
<ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard 	50mm	54 (-7)
<ul style="list-style-type: none"> ▪ 92mm metal stud 	62mm	55 (-7)
<ul style="list-style-type: none"> ▪ R2 insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	56 (-7)
Option 4:		
<ul style="list-style-type: none"> ▪ One layer of 13mm standard grade plasterboard 	50mm	47 (-4)
<ul style="list-style-type: none"> ▪ 90mm timber stud 	62mm	47 (-3)
<ul style="list-style-type: none"> ▪ R2 insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	47 (-3)
Option 5:		
<ul style="list-style-type: none"> ▪ One layer of 13mm fire-rated plasterboard 	50mm	47 (-3)
<ul style="list-style-type: none"> ▪ 90mm timber stud 	62mm	47 (-3)
<ul style="list-style-type: none"> ▪ Acoustic insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	48 (-3)
Option 6:		
<ul style="list-style-type: none"> ▪ Two layers of 13mm fire-rated plasterboard 	50mm	48 (-3)
<ul style="list-style-type: none"> ▪ 90mm timber stud 	62mm	49 (-3)
<ul style="list-style-type: none"> ▪ Acoustic insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	50 (-3)
Option 7:		
<ul style="list-style-type: none"> ▪ One layer of 16mm fire-rated plasterboard 	50mm	47 (-3)
<ul style="list-style-type: none"> ▪ 90mm timber stud 	62mm	48 (-3)
<ul style="list-style-type: none"> ▪ Acoustic insulation ▪ 16mm batten ▪ Nasahi Panel ▪ 4mm cementious render 	75mm	49 (-3)
Option 8:		
<ul style="list-style-type: none"> ▪ One layer of 10mm standard grade plasterboard 	50mm	45 (-4)
<ul style="list-style-type: none"> ▪ 90mm timber stud 	62mm	46 (-4)
<ul style="list-style-type: none"> ▪ R2 insulation ▪ 16mm batten ▪ Nasahi Panel ▪ No render 	75mm	47 (-4)

Results are based on Renzo Tonin & Associates Report: TH736-01F02(R6) and can be provided upon request

