



SYSTEMS	260
SYSTEM DIRECTORY	260
INSTALLATION	280
GENERAL REQUIREMENTS	280
FRAMING	281
PLASTERBOARD LAYOUT	284
PLASTERBOARD FIXING	285
CONSTRUCTION DETAILS	292

3.5 Plasterboard with Masonry Walls

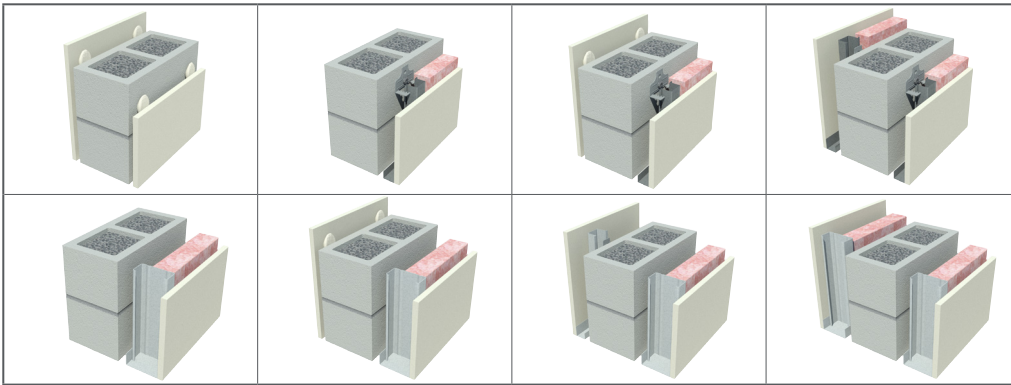
Plasterboard may be installed over masonry walls to create a decorative finish. It removes the need for rendering and may also upgrade the fire and acoustic performance of a wall. Services may be installed in the cavity between the masonry and plasterboard, thus avoiding the chasing of masonry walls.

'Masonry' in this manual includes concrete, bricks, blocks, autoclaved aerated concrete (AAC) and concrete filled PVC permanent formwork.

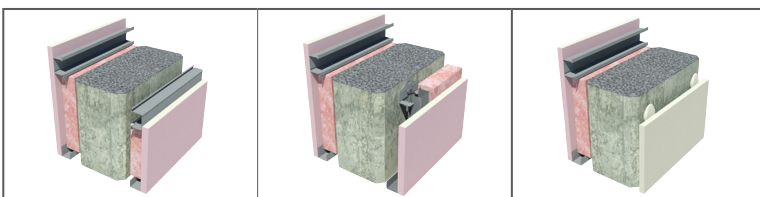


System Directory

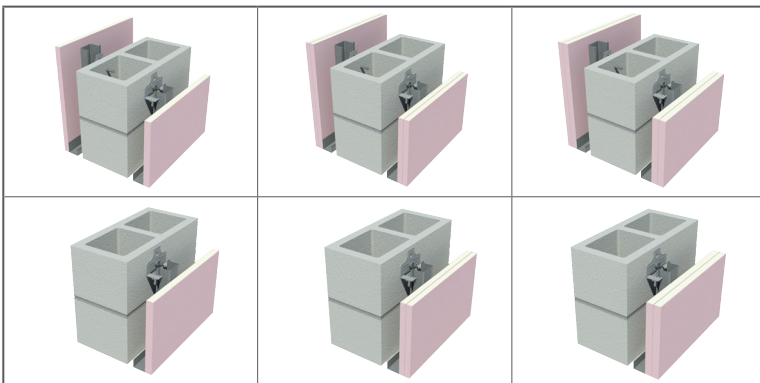
Acoustic Upgrades with Plasterboard



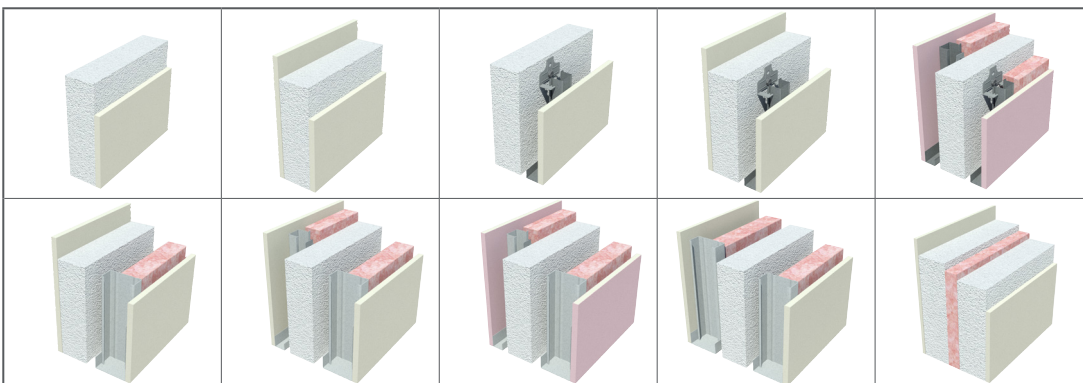
Blade Column Walls



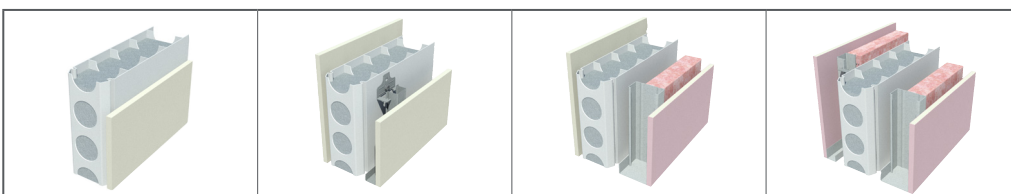
Fire Upgrades with Plasterboard



AAC Systems with Plasterboard

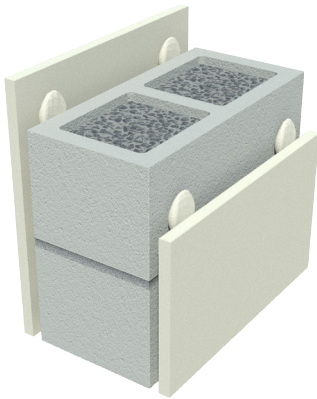


DINCEL Systems with Plasterboard





PMW1000



- [Side 1] 1 layer of Plasterboard as specified in table adhered with **mastabond** Masonry Adhesive
- Masonry wall as specified in the table [refer to masonry manufacturer or relevant Australian Standard for FRL]
- [Side 2] 1 layer of Plasterboard as specified in table adhered with **mastabond** Masonry Adhesive

13mm **mastashield** can be substituted with 10mm **opal**, 10mm **soundshield** or 13mm **watershield**

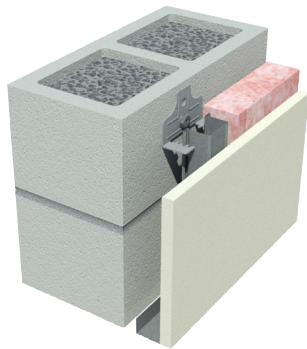
13mm **mastashield** adhered to concrete blocks/concrete with **mastabond** Masonry Adhesive can be left bare, painted or rendered with 13mm render on one side only

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)
			No insulation
Minimum 110mm Double Brick with minimum 50mm air-gap Minimum laid weight 320 kg/m ²	PMW1103	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	53 (48)
	PMW1107	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	55 (50)
	PMW1111	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	53 (49)
Minimum 140mm unfilled Concrete Block Minimum laid weight 180 kg/m ²	PMW1453	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	46 (40) ¹
	PMW1457	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	46 (40)
	PMW1461	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	46 (40)
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m ²	PMW1153	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	49 (44)
	PMW1157	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	51 (46)
	PMW1161	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	50 (45)
Minimum 190mm unfilled Concrete Block Minimum laid weight 220 kg/m ²	PMW1503	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	49 (42)
	PMW1507	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	49 (42)
	PMW1511	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	49 (42)
Minimum 190mm core - filled Concrete Block Minimum laid weight 280 kg/m ²	PMW1203	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	51 (45)
	PMW1207	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	53 (47)
	PMW1211	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	52 (46)
Minimum 150mm Concrete	PMW1253	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	49 (45)
	PMW1257	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	51 (46)
	PMW1261	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	50 (45)
Minimum 200mm Concrete	PMW1303	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	52 (46)
	PMW1307	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	54 (48)
	PMW1311	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	53 (47)

Reports
1021067-R01
3094-55
13094A-7



PMW2000



- [Side 1] Left bare
- Masonry wall as specified in the table [refer to masonry manufacturer or relevant Australian Standard for FRL]
- [Side 2] Plasterboard as specified in table fixed to furring channels on clips

13mm **mastashield** can be substituted with 10mm **opal**, 10mm **soundshield** or 13mm **watershield**

13mm **fireshield** can be substituted with 13mm **multishield**

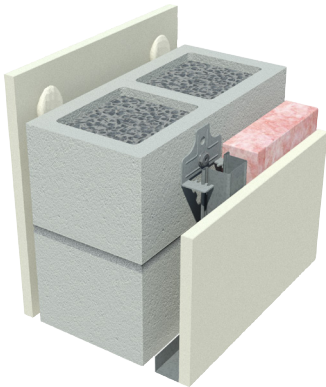
16mm **fireshield** can be substituted with 16mm **multishield**

13mm **soundshield** can be substituted with 13mm **trurock**

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)			
			Minimum 30mm cavity with no insulation	Minimum 30mm cavity with Pink® Partition 25mm 24 kg/m³ R0.7	Minimum 50mm cavity with Pink® Partition 50mm 11 kg/m³ R1.2	
Minimum 140mm unfilled Concrete Block Minimum laid weight 180 kg/m²	PMW2451	[Side 2] 1 layer of 13mm mastashield	50 (43)	54 (45)	57 (47)	Reports 1021067-R01 4738-13
	PMW2452	[Side 2] 2 layers of 13mm mastashield	53 (46)	57 (48)	60 (50)	
	PMW2455	[Side 2] 1 layer of 13mm soundshield	52 (44)	56 (47)	59 (49)	
	PMW2456	[Side 2] 2 layers of 13mm soundshield	54 (47)	58 (51)	61 (52)	
	PMW2459	[Side 2] 1 layer of 13mm fireshield	51 (43)	55 (46)	58 (48)	
	PMW2460	[Side 2] 2 layers of 13mm fireshield	54 (46)	58 (49)	61 (51)	
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW2151	[Side 2] 1 layer of 13mm mastashield	50 (42)	54 (45)	56 (47)	
	PMW2155	[Side 2] 1 layer of 13mm soundshield	53 (44)	56 (47)	58 (49)	
	PMW2159	[Side 2] 1 layer of 13mm fireshield	52 (43)	55 (46)	57 (48)	
	PMW2164	[Side 2] 1 layer of 16mm fireshield	53 (44)	56 (47)	58 (49)	
Minimum 190mm unfilled Concrete Block Minimum laid weight 220 kg/m²	PMW2501	[Side 2] 1 layer of 13mm mastashield	51 (43)	55 (46)	58 (48)	
	PMW2502	[Side 2] 2 layers of 13mm mastashield	54 (45)	58 (49)	61 (51)	
	PMW2505	[Side 2] 1 layer of 13mm soundshield	53 (44)	57 (48)	60 (50)	
	PMW2509	[Side 2] 1 layer of 13mm fireshield	52 (44)	56 (47)	59 (49)	
	PMW2510	[Side 2] 2 layers of 13mm fireshield	55 (46)	59 (50)	62 (52)	
Minimum 190mm core - filled Concrete Block Minimum laid weight 380 kg/m²	PMW2201	[Side 2] 1 layer of 13mm mastashield	54 (44)	57 (47)	59 (50)	
	PMW2205	[Side 2] 1 layer of 13mm soundshield	56 (46)	59 (49)	61 (52)	
	PMW2209	[Side 2] 1 layer of 13mm fireshield	55 (45)	58 (48)	60 (51)	
	PMW2214	[Side 2] 1 layer of 16mm fireshield	56 (46)	59 (49)	61 (52)	
Minimum 150mm Concrete	PMW2251	[Side 2] 1 layer of 13mm mastashield	49 (43)	56 (46)	63 (50)	
	PMW2255	[Side 2] 1 layer of 13mm soundshield	51 (45)	58 (48)	65 (52)	
	PMW2259	[Side 2] 1 layer of 13mm fireshield	50 (44)	57 (47)	64 (51)	
	PMW2264	[Side 2] 1 layer of 16mm fireshield	51 (45)	58 (48)	65 (52)	
Minimum 200mm Concrete	PMW2301	[Side 2] 1 layer of 13mm mastashield	53 (46)	60 (49)	66 (52)	
	PMW2305	[Side 2] 1 layer of 13mm soundshield	55 (48)	62 (51)	68 (54)	
	PMW2309	[Side 2] 1 layer of 13mm fireshield	54 (47)	61 (50)	67 (53)	
	PMW2314	[Side 2] 1 layer of 16mm fireshield	55 (48)	62 (51)	68 (54)	



PMW3000



- [Side 1] 1 layer of 13mm **mastashield** adhered with **mastabond** Masonry Adhesive
- Masonry wall as specified in the table [refer to masonry manufacturer or relevant Australian Standard for FRL]
- [Side 2] Plasterboard as specified in table fixed to furring channels on clips

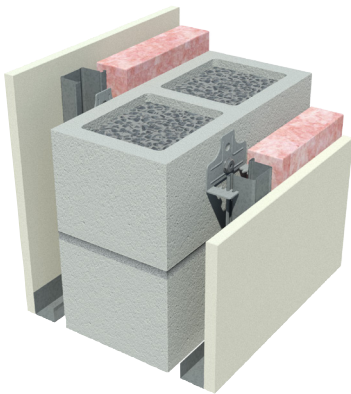
13mm **mastashield** can be substituted with 13mm **watershield** on the furring channel side
 13mm **mastashield** adhered to concrete blocks/concrete can be substituted with 13mm render
 13mm **mastashield** can be substituted with 10mm **opal** or 10mm **soundshield**
 13mm **fireshield** can be substituted with 13mm **multishield**
 13mm **soundshield** can be substituted with 13mm **trurock**
 16mm **fireshield** can be substituted with 16mm **multishield**

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)		
			Minimum 30mm cavity with no insulation	Minimum 30mm cavity with Pink® Partition 25mm 24 kg/m³ R0.7	Minimum 50mm cavity with Pink® Partition 50mm 11 kg/m³ R1.2
Minimum 140mm unfilled Concrete Block Minimum laid weight 180 kg/m²	PMW3453	[Side 2] 1 layer of 13mm mastashield	51 (44)	55 (46)	58 (48)
	PMW3454	[Side 2] 2 layers of 13mm mastashield	54 (47)	59 (49)	61 (51)
	PMW3469	[Side 2] 1 layer of 13mm soundshield	53 (45)	57 (48)	60 (50)
	PMW3472	[Side 2] 2 layers of 13mm soundshield	55 (48)	59 (52)	62 (53)
	PMW3470	[Side 2] 1 layer of 13mm fireshield	52 (44)¹	56 (47)	59 (49)²
	PMW3473	[Side 2] 2 layers of 13mm fireshield	55 (47)	59 (50)	62 (52)
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW3153	[Side 2] 1 layer of 13mm mastashield	52 (44)	55 (47)	57 (49)
	PMW3169	[Side 2] 1 layer of 13mm soundshield	54 (46)	57 (49)	59 (51)
	PMW3170	[Side 2] 1 layer of 13mm fireshield	53 (45)	56 (48)	58 (50)
	PMW3171	[Side 2] 1 layer of 16mm fireshield	54 (46)	57 (49)	59 (51)
Minimum 190mm unfilled Concrete Block Minimum laid weight 220 kg/m²	PMW3503	[Side 2] 1 layer of 13mm mastashield	52 (44)	56 (47)	59 (49)
	PMW3504	[Side 2] 2 layers of 13mm mastashield	55 (46)	59 (50)	62 (52)
	PMW3519	[Side 2] 1 layer of 13mm soundshield	54 (45)	58 (49)	61 (51)
	PMW3520	[Side 2] 1 layer of 13mm fireshield	53 (45)	57 (48)	60 (50)
	PMW3523	[Side 2] 2 layers of 13mm fireshield	56 (47)	60 (51)	63 (53)
Minimum 190mm core - filled Concrete Block Minimum laid weight 380 kg/m²	PMW3203	[Side 2] 1 layer of 13mm mastashield	55 (46)	58 (49)	60 (51)
	PMW3219	[Side 2] 1 layer of 13mm soundshield	57 (48)	60 (51)	62 (53)
	PMW3220	[Side 2] 1 layer of 13mm fireshield	56 (47)	59 (50)	61 (52)
	PMW3221	[Side 2] 1 layer of 16mm fireshield	57 (48)	60 (51)	62 (53)
Minimum 150mm Concrete	PMW3253	[Side 2] 1 layer of 13mm mastashield	50 (44)	57 (47)	63 (50)
	PMW3269	[Side 2] 1 layer of 13mm soundshield	52 (46)	59 (49)	65 (52)
	PMW3270	[Side 2] 1 layer of 13mm fireshield	51 (45)	58 (48)	64 (51)
	PMW3271	[Side 2] 1 layer of 16mm fireshield	52 (46)	59 (49)	65 (52)
Minimum 200mm Concrete	PMW3303	[Side 2] 1 layer of 13mm mastashield	53 (46)	60 (49)	65 (53)
	PMW3319	[Side 2] 1 layer of 13mm soundshield	55 (48)	62 (51)	67 (55)
	PMW3320	[Side 2] 1 layer of 13mm fireshield	54 (47)	61 (50)	66 (54)
	PMW3321	[Side 2] 1 layer of 16mm fireshield	55 (48)	62 (51)	67 (55)

Reports
1021067-R01
3094-55
13094A-5
23094-A-4



PMW4000



- [Side 2] Plasterboard as specified in table fixed to furring channels on clips
- Masonry wall as specified in the table [refer to masonry manufacturer or relevant Australian Standard for FRL]
- [Side 2] Plasterboard as specified in table fixed to furring channels on clips

13mm **mastashield** can be substituted with 10mm **opal**, 10mm **soundshield** or 13mm **watershield**

13mm **fireshield** can be substituted with 13mm **multishield**

13mm **soundshield** can be substituted with 13mm **trurock**

16mm **fireshield** can be substituted with 16mm **multishield**

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)			
			Minimum 30mm cavity with Pink® Partition 25mm 24 kg/m³ R0.7		Minimum 50mm cavity with Pink® Partition 50mm 11 kg/m³ R1.2	
			Insulation in one cavity only	Insulation in both cavities	Insulation in one cavity only	Insulation in both cavities
Minimum 110mm Double Brick with minimum 50mm air-gap Minimum laid weight 320 kg/m²	PMW4103	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	57 (49)	59 (50)	59 (51)	60 (53)
	PMW4107	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	59 (51)	61 (52)	61 (53)	62 (54)
	PMW4111	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	58 (50)	60 (51)	60 (52)	61 (52)
	PMW4116	[Side 1] 1 layer of 16mm fireshield [Side 2] 1 layer of 16mm fireshield	59 (51)	61 (53)	61 (53)	62 (54)
Minimum 140mm unfilled Concrete Block Minimum laid weight 180 kg/m²	PMW4453	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	54 (45)	-	57 (47)	-
	PMW4454	[Side 1] 1 layer of 13mm mastashield [Side 2] 2 layers of 13mm mastashield	57 (48)	-	60 (50)	-
	PMW4457	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	56 (47)	-	59 (49)*	(50)
	PMW4461	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	55 (46)	-	58 (48)*	(50)
	PMW4462	[Side 1] 1 layer of 13mm fireshield [Side 2] 2 layers of 13mm fireshield	58 (49)*	(50)	61 (51)	-
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW4153	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	52 (41)	53 (45)	56 (46)	58 (47)
	PMW4154	[Side 1] 1 layer of 13mm mastashield [Side 2] 2 layers of 13mm mastashield	55 (44)	56 (47)	59 (46)	61 (48)
	PMW4157	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	54 (43)	55 (47)	58 (48)	60 (49)
	PMW4161	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	53 (42)	57 (46)	57 (47)	59 (48)
	PMW4162	[Side 1] 1 layer of 13mm fireshield [Side 2] 2 layers of 13mm fireshield	56 (45)	57 (49)	60 (50)	62 (51)
	PMW4166	[Side 1] 1 layer of 16mm fireshield [Side 2] 1 layer of 16mm fireshield	53 (42)	54 (46)	57 (47)	59 (48)
Minimum 190mm unfilled Concrete Block Minimum laid weight 220 kg/m²	PMW4503	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	55 (46)	-	58 (48)*	(50)
	PMW4504	[Side 1] 1 layer of 13mm mastashield [Side 2] 2 layers of 13mm mastashield	58 (49)*	(50)	61 (51)	-
	PMW4507	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	57 (48)	-	60 (50)	-
	PMW4511	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	56 (47)	-	59 (49)*	(50)
	PMW4512	[Side 1] 1 layer of 13mm fireshield [Side 2] 2 layers of 13mm fireshield	59 (49)*	(50)	62 (52)	-
Minimum 190mm core - filled Concrete Block Minimum laid weight 380 kg/m²	PMW4203	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	54 (43)	59 (48)	57 (49)	59 (50)
	PMW4207	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	56 (45)	61 (48)	59 (50)	61 (52)
	PMW4211	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	55 (44)	60 (47)	58 (49)	60 (51)
	PMW4216	[Side 1] 1 layer of 16mm fireshield [Side 2] 1 layer of 16mm fireshield	56 (45)	61 (48)	59 (50)	61 (52)

Reports
1021067-R01
3094-55
*Use Insulation in both cavities to achieve Rw + Ctr 50

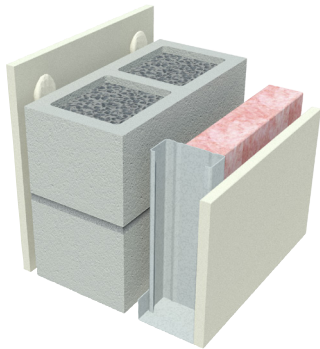


PMW4000 (continued)		<ul style="list-style-type: none"> [Side 2] Plasterboard as specified in table fixed to furring channels on clips Masonry wall as specified in the table [refer to masonry manufacturer or relevant Australian Standard for FRL] [Side 2] Plasterboard as specified in table fixed to furring channels on clips 					
		<p>13mm mastashield can be substituted with 10mm opal, 10mm soundshield or 13mm watershield</p> <p>13mm fireshield can be substituted with 13mm multishield</p> <p>13mm soundshield can be substituted with 13mm trurock</p> <p>16mm fireshield can be substituted with 16mm multishield</p>					
Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)				
			Minimum 30mm cavity with Pink® Partition 25mm 24 kg/m³ R0.7		Minimum 50mm cavity with Pink® Partition 50mm 11 kg/m³ R1.2		
			Insulation in one cavity only	Insulation in both cavities	Insulation in one cavity only	Insulation in both cavities	
Minimum 150mm Concrete	PMW4253	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	57 (47)	61 (50)	59 (49)	62 (52)	Reports 1021067-R01 3094-55 *Use Insulation in both cavities to achieve Rw + Ctr 50
	PMW4257	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	59 (49)	63 (52)	63 (52)	64 (54)	
	PMW4261	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	58 (48)	62 (51)	62 (51)	63 (53)	
	PMW4266	[Side 1] 1 layer of 16mm fireshield [Side 2] 1 layer of 16mm fireshield	59 (49)	63 (52)	63 (52)	64 (54)	
Minimum 200mm Concrete	PMW4303	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	60 (50)	64 (53)	64 (53)	65 (54)	
	PMW4307	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	62 (52)	66 (55)	66 (55)	67 (56)	
	PMW4311	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	61 (51)	65 (54)	65 (54)	66 (55)	
	PMW4316	[Side 1] 1 layer of 16mm fireshield [Side 2] 1 layer of 16mm fireshield	62 (52)	66 (55)	66 (55)	67 (56)	

PMW5000		<ul style="list-style-type: none"> [Side 1] Left bare Masonry wall as specified in table [refer to masonry manufacturer for FRL] Minimum 20mm air gap [Side 2] 1 layer of Plasterboard as specified in table fixed to minimum 64mm steel studs or 70mm timber studs 			
		<p>13mm mastashield can be substituted with 10mm opal, 10mm soundshield or 13mm watershield</p>			
Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)		
			No Insulation	Pink® Partition 50mm 11 kg/m³ R1.2	Reports
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW5151	[Side 2] 13mm mastashield	51 (44)	58 (50)	1021067-R01 Note: Impact Sound Resistant - Discontinuous Construction
Minimum 150mm Concrete	PMW5251	[Side 2] 13mm mastashield	52 (46)	59 (52)	



PMW6000



- [Side 1] 1 layer of 13mm **mastashield** adhered with **mastabond** Masonry Adhesive
- Masonry wall as specified in the table [refer to masonry manufacturer or relevant Australian Standard for FRL]
- Minimum 20mm air gap
- [Side 2] 1 layer of Plasterboard fixed to wall studs as specified in table

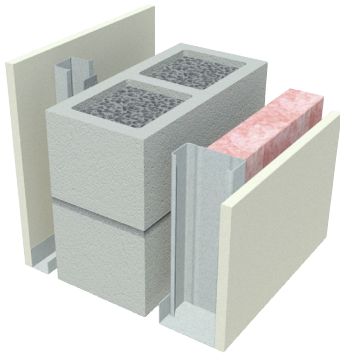
13mm **mastashield** can be substituted with 13mm **watershield** on the stud side
 13mm **mastashield** can be substituted with 10mm **opal** or 10mm **soundshield**
 13mm **fireshield** can be substituted with 13mm **multishield**
 13mm **mastashield** adhered to concrete blocks/concrete can be substituted with 13mm render
 13mm **soundshield** can be substituted with 13mm **trurock**

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)	
			51mm steel stud	Minimum 64mm steel stud or 70mm timber stud
			Pink® Partition 50mm 11 kg/m³ R1.2	
Minimum 110mm Brick Minimum laid weight 160 kg/m²	PMW6053	[Side 2] 13mm mastashield	53 (45)	54 (45)
	PMW6069	[Side 2] 13mm soundshield	55 (47)	56 (47)
	PMW6070	[Side 2] 13mm fireshield	54 (46)	55 (46)
Minimum 140mm unfilled Concrete Block Minimum laid weight 180 kg/m²	PMW6453	[Side 2] 13mm mastashield	57 (49)	59 (51) ¹
	PMW6469	[Side 2] 13mm soundshield	60 (52)	61 (53)
	PMW6470	[Side 2] 13mm fireshield	59 (51)	60 (52)
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW6153	[Side 2] 13mm mastashield	62 (53)	63 (54)
	PMW6169	[Side 2] 13mm soundshield	64 (55)	65 (56)
	PMW6170	[Side 2] 13mm fireshield	63 (54)	64 (55)
Minimum 190mm core - filled Concrete Block Minimum laid weight 380 kg/m²	PMW6203	[Side 2] 13mm mastashield	63 (54)	64 (55)
	PMW6219	[Side 2] 13mm soundshield	65 (56)	66 (56)
	PMW6220	[Side 2] 13mm fireshield	64 (55)	65 (56)
Minimum 150mm Concrete	PMW6253	[Side 2] 13mm mastashield	63 (54)	64 (55)
	PMW6269	[Side 2] 13mm soundshield	65 (56)	66 (57)
	PMW6270	[Side 2] 13mm fireshield	64 (55)	65 (56)
Minimum 200mm Concrete	PMW6303	[Side 2] 13mm mastashield	66 (57)	66 (57)
	PMW6319	[Side 2] 13mm soundshield	68 (59)	68 (59)
	PMW6320	[Side 2] 13mm fireshield	67 (58)	67 (58)

Reports
 1021067-R01
 4738-15
 '3094A-6
 Note: Impact Sound Resistant - Discontinuous Construction



PMW7000



- [Side 1] Plasterboard as specified in table fixed to furring channels on clips with minimum 21mm cavity
- Masonry wall as specified in table [refer to masonry manufacturer for FRL]
- Minimum 20mm air gap
- [Side 2] Plasterboard fixed to wall studs as specified in table

13mm **mastashield** can be substituted with 10mm **opal**, 10mm **soundshield** or 13mm **watershield**

13mm **fireshield** can be substituted with 13mm **multishield**

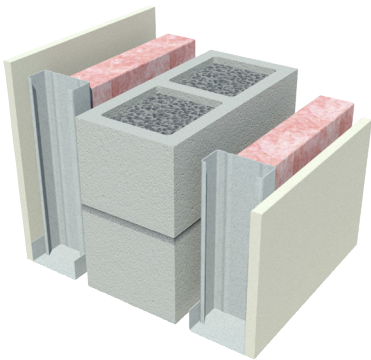
13mm **soundshield** can be substituted with 13mm **trurock**

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)	
			Insulation in stud cavity only Pink® Partition 50mm 11 kg/m³ R1.2	
			51mm steel stud	Minimum 64mm steel stud or 70mm timber stud
Minimum 110mm Brick Minimum laid weight 160 kg/m²	PMW7053	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	57 (44)	58 (45)
	PMW7057	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	59 (46)	60 (47)
	PMW7061	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	58 (45)	59 (46)
Minimum 140mm unfilled Concrete Block Minimum laid weight 180 kg/m²	PMW7453	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	58 (49)	60 (51)
	PMW7454	[Side 1] 1 layer of 13mm mastashield [Side 2] 2 layers of 13mm mastashield	61 (52)	62 (53)
	PMW7457	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	60 (51)	61 (52)
	PMW7461	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	60 (50)	61 (51) ¹
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW7153	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	59 (50)	60 (51)
	PMW7157	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	61 (52)	62 (53)
	PMW7161	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	60 (51)	61 (52)
Minimum 190mm core - filled Concrete Block Minimum laid weight 380 kg/m²	PMW7203	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	62 (53)	63 (53)
	PMW7207	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	64 (55)	65 (55)
	PMW7211	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	63 (54)	64 (54)
Minimum 150mm Concrete	PMW7253	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	60 (51)	61 (51)
	PMW7257	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	62 (53)	63 (53)
	PMW7261	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	61 (52)	62 (53)
Minimum 200mm Concrete	PMW7303	[Side 1] 1 layer of 13mm mastashield [Side 2] 1 layer of 13mm mastashield	68 (56)	68 (57)
	PMW7307	[Side 1] 1 layer of 13mm soundshield [Side 2] 1 layer of 13mm soundshield	70 (58)	70 (59)
	PMW7311	[Side 1] 1 layer of 13mm fireshield [Side 2] 1 layer of 13mm fireshield	69 (57)	69 (58)

Reports
1021067-R01
3094-55
4738-15
13094A-2
Note: Impact Sound Resistant - Discontinuous Construction



PMW8000



- [Side 1] 1 layer of Plasterboard as specified in table fixed to minimum 64mm steel studs or 70mm timber studs
- Minimum 20mm air gap
- Masonry wall as specified in table [refer to masonry manufacturer for FRL]
- Minimum 20mm air gap
- [Side 2] 1 layer of Plasterboard as specified in table fixed to minimum 64mm steel studs or 70mm timber studs

13mm **mastashield** can be substituted with 10mm **opal**, 10mm **soundshield** or 13mm **watershield**

13mm **fireshield** can be substituted with 13mm **multishield**

13mm **soundshield** can be substituted with 13mm **trurock**

Masonry Type	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)	
			Pink® Partition 50mm 11 kg/m³ R1.2	
			Insulation in one stud cavity only	Insulation in both cavities
Minimum 90mm Brick Minimum laid weight 130 kg/m²	PMW8003	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	58 (48)	60 (50)
	PMW8007	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	60 (50)	62 (52)
	PMW8011	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	59 (49)	61 (51)
Minimum 110mm Brick Minimum laid weight 160 kg/m²	PMW8053	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	59 (49)	61 (51)
	PMW8057	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	61 (51)	63 (53)
	PMW8061	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	60 (50)	62 (52)
Minimum 140mm core - filled Concrete Block Minimum laid weight 280 kg/m²	PMW8153	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	61 (51)	63 (51)
	PMW8157	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	63 (53)	65 (55)
	PMW8161	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	62 (52)	64 (54)
Minimum 150mm Concrete	PMW8253	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	65 (55)	67 (57)
	PMW8257	[Side 1] 13mm soundshield [Side 2] 13mm soundshield	67 (57)	69 (59)
	PMW8261	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	66 (56)	68 (58)

Reports
1021067-R01
Note: Impact Sound Resistant - Discontinuous Construction

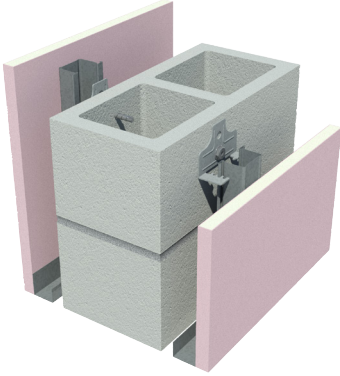


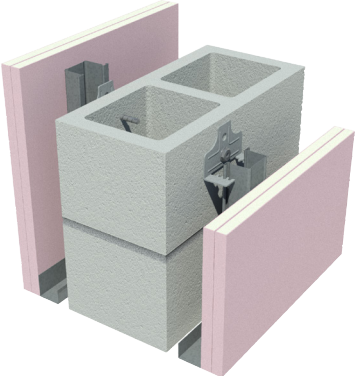
PMW101		<ul style="list-style-type: none"> [Side 1] 1 layer of 16mm fireshield Horizontal 28mm furring channel spanning across blade column Minimum 20mm air gap Concrete Blade Column Minimum 20mm air gap Horizontal 28mm furring channel spanning across blade column [Side 2] 1 layer of 16mm fireshield 	
		Refer to Section 3.1 for FRL and Construction Details 16mm fireshield can be substituted with 16mm multishield or 16mm trurock	
Masonry Type	System	Sound Insulation Rw (Rw + Ctr)	
		Minimum 48mm cavities with Pink® Partition 50mm 11kg/m ³ R1.2 in both cavities	Reports 1021067-R01
Minimum 150mm Concrete	PMW101	61 (53)	Note: Impact Sound Resistant - Discontinuous Construction

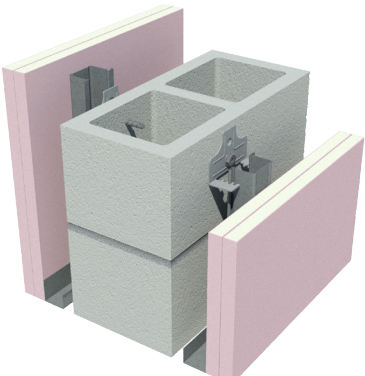
PMW102		<ul style="list-style-type: none"> [Side 1] 1 layer of 16mm fireshield Horizontal 28mm furring channel spanning across blade column Minimum 20mm air gap Concrete Blade Column Vertical furring channels on clips in a minimum 30mm cavity [Side 2] 1 layer of 16mm fireshield 	
		Refer to Section 3.1 for FRL and Construction Details 16mm fireshield can be substituted with 16mm multishield or 16mm trurock 25mm 24 kg/m ³ insulation can be substituted with 50mm 11 kg/m ³ insulation for minimum 45mm cavities	
Masonry Type	System	Sound Insulation Rw (Rw + Ctr)	
		Minimum 48mm cavity on one side and minimum 30mm cavity on the other with Pink® Partition 25mm 24kg/m ³ R0.7 in both cavities	Reports 1021067-R01
Minimum 150mm Concrete	PMW102	60 (52)	Note: Impact Sound Resistant - Discontinuous Construction

PMW103		<ul style="list-style-type: none"> [Side 1] 1 layer of 16mm fireshield Horizontal 28mm furring channel spanning across blade column Minimum 20mm air gap Concrete Blade Column [Side 2] 1 layer of 13mm mastashield adhered with mastabond Masonry Adhesive 	
		Refer to Section 3.1 for FRL and Construction Details 13mm mastashield can be substituted with 13mm watershield on the stud side 13mm mastashield can be substituted with 10mm opal or 10mm soundshield 16mm fireshield can be substituted with 16mm multishield or 16mm trurock	
Masonry Type	System	Sound Insulation Rw (Rw + Ctr)	
		Minimum 48mm cavity on furring channel side with Pink® Partition 50mm 11kg/m ³ R1.2	Reports 1021067-R01
Minimum 150mm Concrete	PMW103	58 (50)	Note: Impact Sound Resistant - Discontinuous Construction



PMW16			
		<ul style="list-style-type: none"> • 1 layer of 16mm fireshield on furring channels • Existing masonry wall [refer to masonry manufacturer for FRL] • 1 layer of 16mm fireshield on furring channels 	
		<p>This system is designed to upgrade the FRL of the masonry wall Total Integrity and Total Insulation cannot be greater than Total Structural Adequacy fireshield can be substituted with multishield or trurock</p>	
Additional FRL to Masonry (minutes)			
Masonry Structural Adequacy + 30	Masonry Integrity + 60	Masonry Insulation + 60	Rated from both sides Report FAR2221

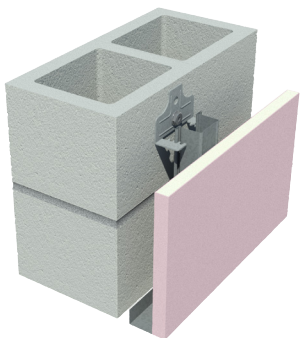
PMW13			
		<ul style="list-style-type: none"> • 2 layers of 13mm fireshield on furring channels • Existing masonry wall [refer to masonry manufacturer for FRL] • 2 layers of 13mm fireshield on furring channels 	
		<p>This system is designed to upgrade the FRL of the masonry wall Total Integrity and Total Insulation cannot be greater than Total Structural Adequacy fireshield can be substituted with multishield or trurock</p>	
Additional FRL to Masonry (minutes)			
Masonry Structural Adequacy + 60	Masonry Integrity + 120	Masonry Insulation + 120	Rated from both sides Report FAR2221

PMW18			
		<ul style="list-style-type: none"> • 2 layers of 16mm fireshield on furring channels • Existing masonry wall [refer to masonry manufacturer for FRL] • 2 layers of 16mm fireshield on furring channels 	
		<p>This system is designed to upgrade the FRL of the masonry wall Total Integrity and Total Insulation cannot be greater than Total Structural Adequacy fireshield can be substituted with multishield or trurock</p>	
Additional FRL to Masonry (minutes)			
Masonry Structural Adequacy + 90	Masonry Integrity + 180	Masonry Insulation + 180	Rated from both sides Report FAR2221



PMW14

- Existing masonry wall [refer to masonry manufacturer for FRL]
- 1 layer of 16mm **fireshield** on furring channels



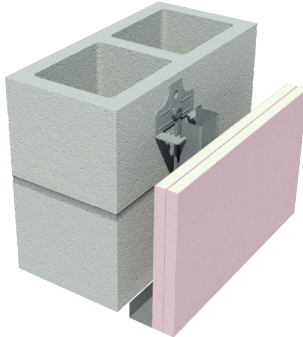
This system is designed to upgrade the FRL of the masonry wall
Total Integrity and Total Insulation cannot be greater than Total Structural Adequacy
fireshield can be substituted with **multishield** or **trurock**

Additional FRL to Masonry (minutes)

Fireshield on the EXPOSED side to fire	Masonry Structural Adequacy + 30	Masonry Integrity + 30	Masonry Insulation + 30	Report FAR2464
Fireshield on the UNEXPOSED side to fire	Masonry Structural Adequacy + 0	Masonry Integrity + 30	Masonry Insulation + 30	

PMW10

- Existing masonry wall [refer to masonry manufacturer for FRL]
- 2 layers of 13mm **fireshield** on furring channels



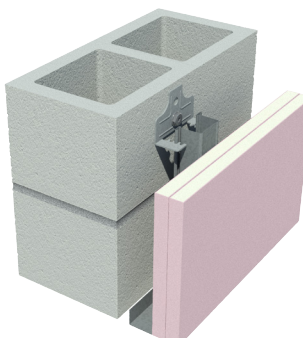
This system is designed to upgrade the FRL of the masonry wall
Total Integrity and Total Insulation cannot be greater than Total Structural Adequacy
fireshield can be substituted with **multishield** or **trurock**

Additional FRL to Masonry (minutes)

Fireshield on the EXPOSED side to fire	Masonry Structural Adequacy + 60	Masonry Integrity + 60	Masonry Insulation + 60	Report FAR2464
Fireshield on the UNEXPOSED side to fire	Masonry Structural Adequacy + 0	Masonry Integrity + 60	Masonry Insulation + 60	

PMW15

- Existing masonry wall [refer to masonry manufacturer for FRL]
- 2 layers of 16mm **fireshield** on furring channels




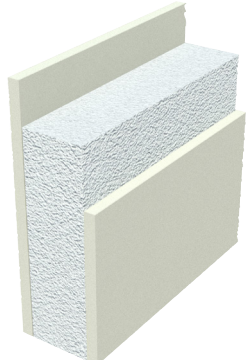
This system is designed to upgrade the FRL of the masonry wall
Total Integrity and Total Insulation cannot be greater than Total Structural Adequacy
fireshield can be substituted with **multishield** or **trurock**

Additional FRL to Masonry (minutes)

Fireshield on the EXPOSED side to fire	Masonry Structural Adequacy + 90	Masonry Integrity + 90	Masonry Insulation + 90	Report FAR2464
Fireshield on the UNEXPOSED side to fire	Masonry Structural Adequacy + 0	Masonry Integrity + 90	Masonry Insulation + 90	

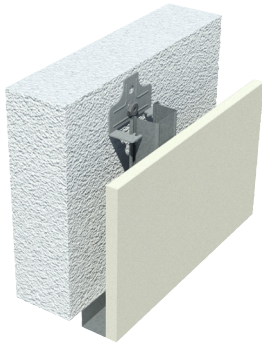


ACW2 - ACW4		<ul style="list-style-type: none"> [Side 1] Left bare 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL] [Side 2] 1 layer of Plasterboard as specified in table fixed with laminating screws 			
					
Plasterboard Lining	System	Wall Width (mm)	Sound Insulation Rw (Rw + Ctr)		
			No insulation	Reports	
[Side 2] 10mm mastashield	ACW2	85	38 (36)	Day Design 5008-10.1R 5008-17.1R *TL548-10	
[Side 2] 10mm watershield	ACW3	85	39 (36)		
[Side 2] 13mm mastashield	ACW4	88	39 (36) ¹		

ACW21 - ACW22		<ul style="list-style-type: none"> [Side 1] 1 layer of Plasterboard as specified in table fixed with laminating screws 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL] [Side 2] 1 layer of Plasterboard as specified in table fixed with laminating screws 		
				
Plasterboard Lining	System	Wall Width (mm)	Sound Insulation Rw (Rw + Ctr)	
			No insulation	Reports
[Side 1] 10mm mastashield [Side 2] 10mm mastashield	ACW21	95	40 (38)	Day Design 5008-10.1R 5008-17.1R
[Side 1] 10mm watershield [Side 2] 10mm watershield	ACW22	95	41 (39)	



ACW41 - ACW43

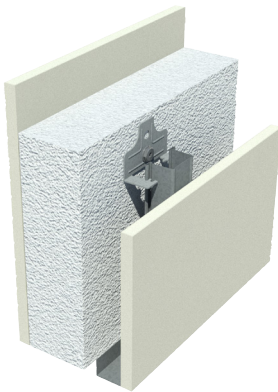


- [Side 1] Left bare
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- [Side 2] Plasterboard as specified in table fixed to furring channels on clips

fireshield can be substituted with **multishield** or **trurock**

Plasterboard Lining	System	Sound Insulation Rw (Rw + Ctr)			Reports
		Minimum 30mm cavity		Minimum 50mm cavity	
		No Insulation	Pink® Partition 25mm 24 kg/m ³ R0.7	Pink® Partition 50mm 11 kg/m ³ R1.2	Day Design 5008-10.1R 5008-17.1R ² TL548-8 ³ TL548-6
[Side 2] 10mm mastashield	ACW41	42 (36)	-	-	
[Side 2] 10mm watershield	ACW42	-	51 (40)	53 (41) ²	
[Side 2] 13mm fireshield	ACW43	-	52 (43)	55 (45) ³	

ACW61 - ACW62



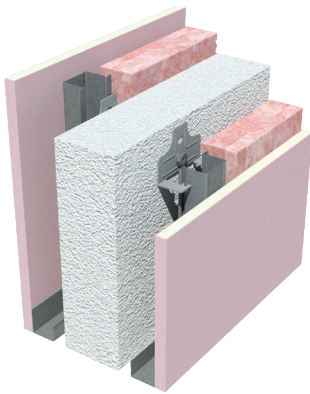
- [Side 1] Plasterboard as specified in table fixed with laminating screws
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- [Side 2] Plasterboard as specified in table fixed to furring channels on clips

13mm **mastashield** can be substituted with 10mm **watershield**

Side 1 and 2 Plasterboard Lining	System	Sound Insulation Rw (Rw + Ctr)			Reports
		Minimum 30mm cavity		Minimum 50mm cavity	
		No Insulation	Pink® Partition 25mm 24 kg/m ³ R0.7	Pink® Partition 50mm 11 kg/m ³ R1.2	Day Design 5008-10.1R 5008-17.1R ⁴ TL548-7
[Side 1] 13mm mastashield [Side 2] 13mm mastashield	ACW61	-	52 (40)	54 (41) ⁴	
[Side 1] 13mm fireshield [Side 2] 13mm fireshield	ACW62	-	54 (41)	-	



ACW81 - ACW82

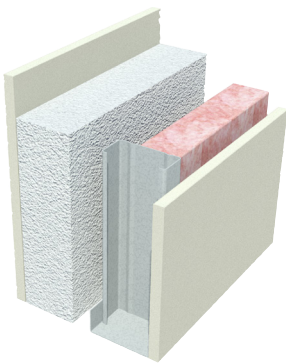


- [Side 1] Plasterboard as specified in table fixed to furring channels on clips
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- [Side 2] Plasterboard as specified in table fixed to furring channels on clips

mastashield can be substituted with **watershield**
fireshield can be substituted with **multishield** or **trurock**

Plasterboard Lining	System	Wall Width (mm)	Sound Insulation Rw (Rw + Ctr)		Reports
			Minimum 30mm cavity with Pink® Partition 25mm 24 kg/m ³ R0.7 Insulation in both cavities	Minimum 50mm cavity with Pink® Partition 50mm 11 kg/m ³ R1.2 Insulation in both cavities	
[Side 1] 13mm mastashield [Side 2] 13mm mastashield	ACW81	161	56 (43)	-	Day Design 5008-10.1R 5008-17.1R
[Side 1] 16mm fireshield [Side 2] 16mm fireshield	ACW82	207	-	63 (51)	

ACW101 - ACW103



- [Side 1] Plasterboard as specified in table fixed with laminating screws
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- Minimum 20mm air gap
- [Side 2] Plasterboard as specified in table fixed to minimum 64mm steel studs

mastashield can be substituted with **watershield**
fireshield can be substituted with **multishield** or **trurock**

Plasterboard Lining	System	Wall Width (mm)	Sound Insulation Rw (Rw + Ctr)		Reports
			Pink® Partition 50mm 11 kg/m ³ R1.2 56 (47)	59 (50) ⁵ 62 (54)	
[Side 1] 10mm mastashield [Side 2] 10mm mastashield	ACW101	179	56 (47)	-	Day Design 5008-10.1R 5008-17.1R
[Side 1] 13mm mastashield [Side 2] 13mm mastashield	ACW102	185	59 (50) ⁵	-	
[Side 1] 13mm fireshield [Side 2] 13mm fireshield	ACW103	185	62 (54)	-	⁵ TL548-9 Note: Impact Sound Resistant - Discontinuous Construction

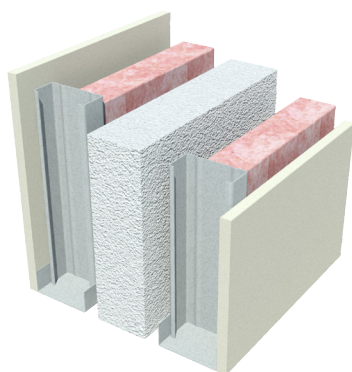


ACW125 - ACW126		<ul style="list-style-type: none"> [Side 1] Minimum 43mm cavity with 1 layer as specified in table fixed to furring channels on clips 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL] Minimum 35mm air gap [Side 2] 1 layer as specified in table fixed to minimum 64mm steel studs 	
		<p>mastashield can be substituted with watershield</p>	
Plasterboard Lining	System	Minimum Cavity Size (mm)	Sound Insulation Rw (Rw + Ctr)
			Pink® Partition 50mm 14 kg/m ³ R1.3 in furring channel cavity and Pink® Partition 75mm 14 kg/m ³ R1.9 in stud cavity
[Side 1] 13mm mastashield [Side 2] 13mm mastashield	ACW125	[Side 1] 43mm [Side 2] 99mm (64mm steel stud + 35mm air-gap)	60 (50)
[Side 1] 9mm Villaboard™ [Side 2] 9mm Villaboard™	ACW126	[Side 1] 43mm [Side 2] 99mm (64mm steel stud + 35mm air-gap)	64 (53)
			Reports TM459-01F01 Note: Impact Sound Resistant - Discontinuous Construction

ACW121 - ACW124		<ul style="list-style-type: none"> [Side 1] 1 layer of Plasterboard as specified in table fixed to furring channels on clips 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL] Minimum air gap as specified in table [Side 2] 1 layer of Plasterboard as specified in table fixed to minimum 64mm steel studs 					
		<p>mastashield can be substituted with watershield</p> <p>fireshield can be substituted with multishield or trurock</p>					
Plasterboard Lining	System	Minimum Cavity Size (mm)	Sound Insulation Rw (Rw + Ctr)				
			Pink® Partition 50mm 11 kg/m ³ R1.2				
			<table border="1"> <thead> <tr> <th>Insulation in stud cavity only</th> <th>Insulation in both cavities</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Insulation in stud cavity only	Insulation in both cavities		
Insulation in stud cavity only	Insulation in both cavities						
[Side 1] 10mm mastashield [Side 2] 10mm mastashield	ACW121	[Side 1] 30mm [Side 2] 84mm (64mm steel stud + 20mm air-gap)	53 (42)				
[Side 1] 13mm fireshield [Side 2] 13mm fireshield	ACW122	[Side 1] 30mm [Side 2] 84mm (64mm steel stud + 20mm air-gap)	58 (46)				
[Side 1] 13mm fireshield [Side 2] 13mm fireshield	ACW123	[Side 1] 45mm [Side 2] 99mm (64mm steel stud + 35mm air-gap)	- 62 (51) ⁶				
[Side 1] 13mm fireshield [Side 2] 16mm fireshield	ACW124	[Side 1] 30mm [Side 2] 99mm (64mm steel stud + 35mm air-gap)	- 60 (50)				
			Reports Day Design 5008-10.1R 5008-17.1R ⁶ TL548-5 Note: Impact Sound Resistant - Discontinuous Construction				



ACW141 - ACW145

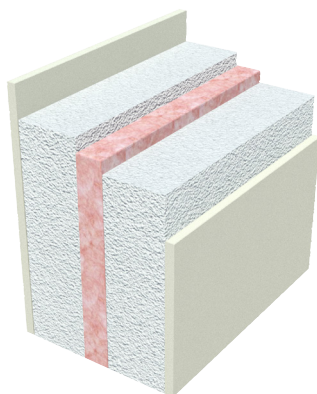


- [Side 1] 1 layer of Plasterboard as specified in table fixed to minimum 64mm steel studs
- Minimum 20mm air gap
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- Minimum 20mm air gap
- [Side 2] 1 layer of Plasterboard as specified in table fixed to minimum 64mm steel studs

mastashield can be substituted with **watershield**
fireshield can be substituted with **multishield** or **trurock**

Plasterboard Lining	System	Sound Insulation Rw (Rw + Ctr)		Reports
		Insulation in one cavity only	Insulation in both cavities	
		Pink® Partition 50mm 11 kg/m ³ R1.2		Day Design 5008-10.1R 5008-17.1R 7TL548-3 Note: Impact Sound Resistant - Discontinuous Construction
[Side 1] 10mm mastashield [Side 2] 10mm mastashield	ACW141	63 (49)	-	
[Side 1] 13mm mastashield [Side 2] 13mm mastashield	ACW142	65 (50)	-	
[Side 1] 13mm fireshield [Side 2] 13mm fireshield	ACW143	66 (53)	-	
[Side 1] 13mm mastashield [Side 2] 13mm mastashield	ACW144	-	66 (53) ⁷	
[Side 1] 13mm fireshield [Side 2] 13mm fireshield	ACW145	-	68 (56)	

ACW161



- [Side 1] 1 layer of Plasterboard as specified in table fixed with laminating screws
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- Minimum 30mm air gap filled with Pink® Partition 50mm 11 kg/m³ R1.2
- 75mm AAC Panel, minimum dry weight 37.5 kg/m² [refer to manufacturer for FRL]
- [Side 2] 1 layer of Plasterboard as specified in table fixed with laminating screws

mastashield can be substituted with **watershield**

Plasterboard Lining	System	Wall Width (mm)	Sound Insulation Rw (Rw + Ctr)	Reports

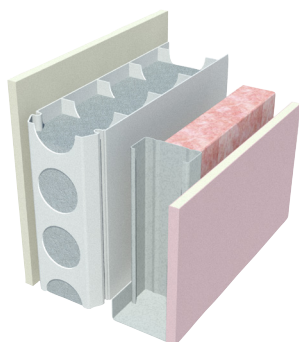


DCS-6.2, 6.3		<ul style="list-style-type: none"> [Side 1] As specified in table Dintel wall as specified in table [refer to Dintel for FRL] [Side 2] 1 layer of Plasterboard as specified in table fixed to Dintel 			
Dintel Wall	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)		
110mm Dintel	DCS110-6.2	[Side 1] Left bare, painted or rendered [Side 2] 10mm mastashield	45 (41)		Report
	DCS110-6.3	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	45 (41)		Day Design 5880-1
155mm Dintel	DCS155-6.2	[Side 1] Left bare, painted or rendered [Side 2] 13mm mastashield	50 (45)		Report
	DCS155-6.3	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	50 (45)		Day Design 5880-4
200mm Dintel	DCS200-6.2	[Side 1] Left bare, painted or rendered [Side 2] 10mm mastashield	51 (46)		Report
	DCS200-6.3	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	51 (46)		Day Design 5880-3

DCS-6.4, 6.7, 6.8, 6.9, 6.11, 10, 11		<ul style="list-style-type: none"> [Side 1] As specified in table Dintel wall as specified in table [refer to Dintel for FRL] [Side 2] 1 layer of Plasterboard as specified in table fixed to furring channels on clips 			
		<p>mastashield can be substituted with watershield fireshield can be substituted with multishield or trurock</p>			
Dintel Wall	System	Plasterboard Lining	Sound Insulation Rw (Rw + Ctr)		
			Minimum 30mm cavity No insulation	Minimum 30mm cavity* with Pink® Partition 25mm 24kg/m³ R0.7	Minimum 50mm cavity with Pink® Partition 50mm 11 kg/m³ R1.2
110mm Dintel	DCS110-6.4	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	45 (42)		-
	DCS110-10	[Side 1] Left bare [Side 2] 10mm mastashield	-	55 (44) ²	-
	DCS110-11	[Side 1] Left bare [Side 2] 10mm mastashield	48 (41) ¹		-
	DCS110-6.9	[Side 1] 13mm mastashield [Side 2] 16mm fireshield	-	-	55 (50)
155mm Dintel	DCS155-6.4	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	48 (43)		-
	DCS155-6.8	[Side 1] 16mm fireshield [Side 2] 16mm fireshield	50 (43)		-
	DCS155-6.7	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	-	55 (48)	-
	DCS155-6.11	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	-	56 (50) *in 40mm cavity	-
200mm Dintel	DCS200-6.9	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	53 (46)		-
	DCS200-6.11	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	-	57 (50)	-



**DCS-6.6, 6.8,
6.10, 6.11, 6.13, 8**



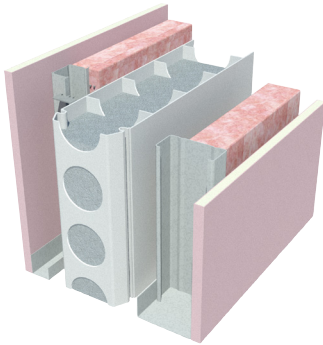
- [Side 1] As specified in table
- Dintel wall as specified in table [refer to Dintel for FRL]
- Minimum 20mm air gap
- [Side 2] Plasterboard fixed to steel studs as specified in table

mastashield can be substituted with **watershield**
fireshield can be substituted with **multishield** or **trurock**

Dintel Wall	System	Plasterboard Lining	Minimum Cavity Size (mm)	Sound Insulation Rw (Rw + Ctr)		
				No insulation	Pink® Partition 50mm 11 kg/m ³ R1.2	
110mm Dintel	DCS110-6.8	[Side 1] Left bare, painted or rendered [Side 2] 10mm mastashield	71mm (51mm steel stud + 20mm air gap)	51 (43) ³	-	Report Day Design 5880-1 ³ TL557-10 ⁴ TL557-9 Note: Impact Sound Resistant - Discontinuous Construction
			84mm (64mm steel stud + 20mm air gap)	52 (44)	-	
	DCS110-6.11	[Side 1] 10mm mastashield [Side 2] 13mm fireshield	71mm (51mm steel stud + 20mm air gap)	-	57 (50)	
			84mm (64mm steel stud + 20mm air gap)	-	57 (51)	
	DCS110-8	[Side 1] 10mm mastashield [Side 2] 16mm fireshield	71mm (51mm steel stud + 20mm air gap)	-	56 (51) ⁴	
	155mm Dintel	DCS155-6.10	[Side 1] Left bare, painted or rendered [Side 2] 10mm mastashield	71mm (51mm steel stud + 20mm air gap)	54 (45)	
84mm (64mm steel stud + 20mm air gap)				56 (48)	-	
DCS155-6.6		[Side 1] 10mm mastashield [Side 2] 10mm mastashield	71mm (51mm steel stud + 20mm air gap)	-	58 (50)	
			84mm (64mm steel stud + 20mm air gap)	-	58 (51)	
DCS155-6.13		[Side 1] 13mm mastashield [Side 2] 13mm mastashield	71mm (51mm steel stud + 20mm air gap)	-	63 (51)	
			84mm (64mm steel stud + 20mm air gap)	-	64 (52)	
200mm Dintel	DCS200-6.10	[Side 1] Left bare, painted or rendered [Side 2] 10mm mastashield	71mm (51mm steel stud + 20mm air gap)	57 (47)	-	
			84mm (64mm steel stud + 20mm air gap)	58 (48)	-	
	DCS200-6.13	[Side 1] 13mm mastashield [Side 2] 13mm mastashield	71mm (51mm steel stud + 20mm air gap)	-	65 (56)	
			84mm (64mm steel stud + 20mm air gap)	-	65 (57)	



**DCS-6.5, 6.12,
6.13, 6.14**



- [Side 1] 1 layer of Plasterboard as specified in table fixed to furring channels on clips with minimum 30mm cavity
- Dintel wall as specified in table [refer to Dintel for FRL]
- minimum 20mm air gap
- [Side 2] Plasterboard fixed to steel studs as specified in table

mastashield can be substituted with **watershield**
fireshield can be substituted with **multishield** or **trurock**

Dintel Wall	System	Plasterboard Lining	Minimum Cavity Size (mm)	Sound Insulation Rw (Rw + Ctr)		
				No insulation	Pink® Partition 25mm 24 kg/m³ RO.7 in furring channel cavity + Pink® Partition 50mm 11 kg/m³ R1.2 in stud cavity	
110mm Dintel	DCS110-6.5	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	[Side 2] 71mm (51mm stud + 20mm air gap)	47 (41)	-	Report Day Design 5880-1 Note: Impact Sound Resistant - Discontinuous Construction
	DCS110-6.12	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	[Side 2] 71mm (51mm stud + 20mm air gap) [Side 2] 84mm (64mm stud + 20mm air gap)	-	62 (50) 63 (52)	
	DCS110-6.13	[Side 1] 16mm fireshield [Side 2] 2 layers of 16mm fireshield	[Side 2] 71mm (51mm stud + 20mm air gap)	-	66 (55)	
155mm Dintel	DCS155-6.5	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	[Side 2] 71mm (51mm stud + 20mm air gap)	51 (43)	-	Report Day Design 5880-4 Note: Impact Sound Resistant - Discontinuous Construction
	DCS155-6.14-13	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	[Side 2] 84mm (64mm stud + 20mm air gap)	-	70 (55)	
	DCS155-6.14-16	[Side 1] 16mm fireshield [Side 2] 16mm fireshield	[Side 2] 71mm (51mm stud + 20mm air gap)	-	69 (55)	
200mm Dintel	DCS200-6.5	[Side 1] 10mm mastashield [Side 2] 10mm mastashield	[Side 2] 71mm (51mm stud + 20mm air gap)	55 (46)	-	Report Day Design 5880-3 Note: Impact Sound Resistant - Discontinuous Construction
			[Side 2] 84mm (64mm stud + 20mm air gap)	55 (47)	-	
	DCS155-6.14-13	[Side 1] 13mm fireshield [Side 2] 13mm fireshield	[Side 2] 71mm (51mm stud + 20mm air gap)	-	68 (53)	
			[Side 2] 84mm (64mm stud + 20mm air gap)	-	69 (55)	
	DCS200-6.14-16	[Side 1] 16mm fireshield [Side 2] 16mm fireshield	[Side 2] 71mm (51mm stud + 20mm air gap)	-	70 (56)	
			[Side 2] 84mm (64mm stud + 20mm air gap)	-	71 (58)	



General Requirements

	Non-fire Rated	Fire Rated
Install control joints in plasterboard walls: <ul style="list-style-type: none"> > At 12m maximum intervals > At all control joints in the structure > At any change in the substrate 	✓	✓
Only joint the face layer. As a minimum, use paper tape with any Siniat jointing compound applied in one or two coats to the thickness of two coats. Alternatively, use bindex fire and acoustic sealant according to the Product Data Sheet.		✓
Use approved fire rated penetration details. Fire penetrations may require fire collars or other devices to maintain fire performance.		✓
Use bindex fire and acoustic sealant on all gaps and around perimeter.		✓
Attach all fixtures to studs or purpose installed noggings. Wall anchors must not be fixed only to the plasterboard of fire rated walls.		✓



For acceptable modifications or variations to fire rated systems, refer to Section 2.3 Fire Resistance

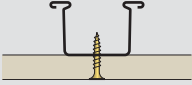


Framing

	Non-fire Rated	Fire Rated
Framing members as per framing table or structural design up to 600mm maximum. Refer to Section 3.1 Internal Partition Walls for information on steel stud framing.	✓	✓

Table 1 Wall Furring Channel Span Table

Refer to Section 2.3 for assistance determining the relevant wind pressures for a specific project.

Furring Channels at 600mm maximum centres						
Wind Region	Ultimate W_u (kPa)	Serviceability W_s (kPa) Deflection limited to Span/360	18mm Furring Channel (FC18)		28mm Furring Channel (FC28)	
			Span (mm)	Anchor Pull-out and Clip Demand (kN)	Span (mm)	Anchor Pull-out and Clip Demand (kN)
REGION A	0.39	0.25	800	0.24	1140	0.32
	0.47	0.3	750	0.27	1070	0.38
	0.54	0.35	710	0.29	1030	0.42
REGION B	0.59	0.25	740	0.33	1010	0.45
	0.71	0.3	710	0.38	960	0.51
	0.83	0.35	680	0.42	920	0.57

- Table based upon self weight and lateral pressures, intended for internal use only. Other loads such as shelf loads, loads from ceilings, or live loads have not been considered.
- Table refers to Siniat Furring Channel of Base Metal Thickness (BMT) 0.42mm of grade G550 steel with Zinalume™ AM150 corrosion protection.
- Framing calculations based upon 2-or-more spans and designed in accordance with AS/NZS 4600:2018 Cold Formed Steel Structures.
- Wind pressures determined in accordance with AS/NZS 1170.2 Wind Actions.
- Connections to clips must be checked with the Wall Clip Capacity Table.
- Ultimate Limit State Load Case 1: 1.2G + W_u
- Serviceability Limit State Load Case 1: G + W_s , with deflection limited to Span/360.
- When furring channel track is used, the first anchor must be 600mm from the track. If no furring channel track is used, then the first anchor must be 150mm maximum from ends. Refer to Construction Details.
- Anchors for head and base tracks at 600mm maximum centres and 100mm maximum from ends with minimum 0.5 kN shear capacity.
- Clips may need to be spaced at closer intervals for impact applications.
- Furring channels cannot be spliced, therefore the maximum wall height using furring channels is 6.0m. Maximum production lengths available are 6.0m.
- The nominated lateral pressures and deflection limits must be checked for suitability for a specific project.

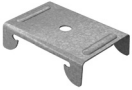





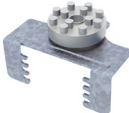


Siniat Internal Wind Load Calculator



Refer to Section 2.3 for assistance determining the relevant internal wind pressures for a specific project. Or use the Siniat Internal Wind Load Calculator by clicking on the link or by using your phone's camera on the QR code.



Table 2 Wall Clip Capacity Table - Masonry Walls

Image	Name	Code	ULS Design Capacity (kN)
	Furring Channel Anchor Clip (standard and wide versions)	C37-7H (7.5mm hole)	1.69
		CW37-7H (7.5mm hole)	
		C37-9H (9mm hole)	
		CW37-9H (9mm hole)	
	Furring Channel Resilient Mount Anchor Clip	C001 (7.5mm hole)	1.69
	Furring Channel Screw Adjustable Mount	CFCSAM	1.69
	Concrete to Stud Wall Mount	C001-DCS	4.00
	Grip Clip	CGRIP (7mm hole)	1.24 when fixed through hole closest to teeth
		CGRIP-9 (9mm hole)	
	Grip Clip Long	CGRIP-LONG (7mm hole)	0.69 when fixed through hole closest to teeth
		CGRIP-LONG9 (9mm hole)	
	Grip Clip Resilient Mount	CGRIP-RES	0.47
	Grip Clip Resilient Mount Long	CGRIP-RESLONG	0.41
	Furring Channel Adjustable Mount	CFCAM	0.79
	Furring Channel Resilient Adjustable Mount	CFCRESAM	0.79

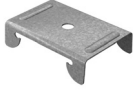
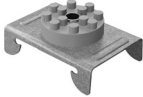


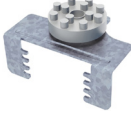



1. Clip capacities are applicable to Siniat products only.

2. Clip capacities determined in accordance with AS/NZS 4600:2018 Cold Formed Steel Structures, Section 8.2.

3. Suitable for internal use only.



Table 3 Cavity Size Table (mm)

Clip Image	Clip Name and Code	Leg Position	Cavity Size with 28mm Furring Channel	Cavity Size with 18mm Furring Channel
	Furring Channel Anchor Clip 7.5mm hole C37-7H (standard) CW37-7H (wide version)	-	34	23
	Furring Channel Resilient Mount 7.5mm hole C001	Completely wound in	44	33
	Grip Clip CGRIP	4	51	40
		3	45	34
		2	39	-
		1	33	-
	Grip Clip Long CGRIP-LONG	4	70	60
		3	64	54
		2	58	-
		1	52	-
	Grip Clip Resilient Mount CGRIP-RES	4	60	50
		3	54	44
		2	48	-
		1	42	-
	Grip Clip Resilient Mount Long CGRIP-RESLONG	4	80	70
		3	74	64
		2	68	-
		1	62	-
	Furring Channel Adjustable Mount CFCAM	4	48	37
		3	42	31
		2	36	-
		1	30	-
	Furring Channel Resilient Adjustable Mount CFCRESAM	4	58	48
		3	52	42
		2	46	-
		1	40	-

1. Cavity sizes are intended as a guide only.




> Plumbing and electrical services must not protrude beyond the face of the stud.

> Resilient mounts or direct fix clips with furring channel do not meet the requirements of 'discontinuous construction' for walls. Resilient mounts only meet the requirements of 'impact sound resistance'.



Plasterboard Layout

	Non-fire Rated	Fire Rated
Vertical joints must be 200mm minimum from the edge of any opening such as windows and doorways to minimise cracking at the joints.	✓	✓
Horizontal Layout		
Stagger butt joints in single layer systems by 300mm minimum on adjoining sheets.	✓	✓
Stagger butt joints in multilayer systems by 300mm minimum on adjoining sheets and between layers.	✓	✓
First layer butt joints must be backed by a stud, furring channel or back-blocked. Refer to installation diagrams.	✓	✓
Stagger recessed edges by 300mm minimum between layers.	✓	✓

-  > Install plasterboard sheets horizontally when practical to minimise stud twisting and reduce the effect of glancing light.
- > Minimise butt joints by using long sheets.




Plasterboard Fixing

	Non-fire Rated	Fire Rated
Drive screws to just below the sheet surface, taking care not to break the paper linerboard. For over-driven screws, install another screw 20mm away. Leave or remove the over-driven screw and patch.	✓	✓
Laminating screws can be used to fix butt joints in the second and third layer.	✓	✓
Masonry Adhesive Method		
Use the mastabond Masonry Adhesive Method	✓	
Screw and Adhesive Method to Steel Studs and Furring Channels		
Apply mastagrip Stud Adhesive after the frame is clean, dry, and free from grease, dust and other contaminants.	✓	
Apply mastagrip daubs 200mm minimum from screws and plasterboard edges.	✓	
Screw Only Method to Steel Studs and Furring Channels		
Use the 'Screw Only Method' in tiled or fire rated areas. Stud adhesive is not permitted.	✓	✓
Laminating Screw Only Method		
Use 38mm - 10g laminating screws for Autoclaved Aerated Concrete.	✓	✓

Do not use the Masonry Adhesive method for:

- > Masonry with a glazed surface finish
- > Fire rated systems
- > Multi-layer systems
- > Walls over three metres high
- > Pre-cast concrete panels that have a release agent on the surface reducing the effectiveness of the adhesive
- > Walls where the surface deviation is above 25mm
- > Walls that may become damp during service
- > Walls that will have tiles or vinyl sheeting fixed to plasterboard.

 The 'Screw and Adhesive Method' is recommended for non-fire rated applications. **mastagrip** will:

- > Minimise screw popping
- > Reduce the number of screw heads that may show in glancing light
- > Assist in compensating for frame irregularities.

Screw Type and Minimum Size for the Installation of Plasterboard to Steel

Plasterboard Thickness	1st Layer	2nd Layer	3rd Layer
6.5mm	6g x 25mm screw	6g x 25mm screw	-
10mm	6g x 25mm screw	6g x 41mm screw *	-
13mm	6g x 25mm screw	6g x 41mm screw *	8g x 57mm screw *
16mm	6g x 32mm screw	6g x 45mm screw *	8g x 65mm screw *

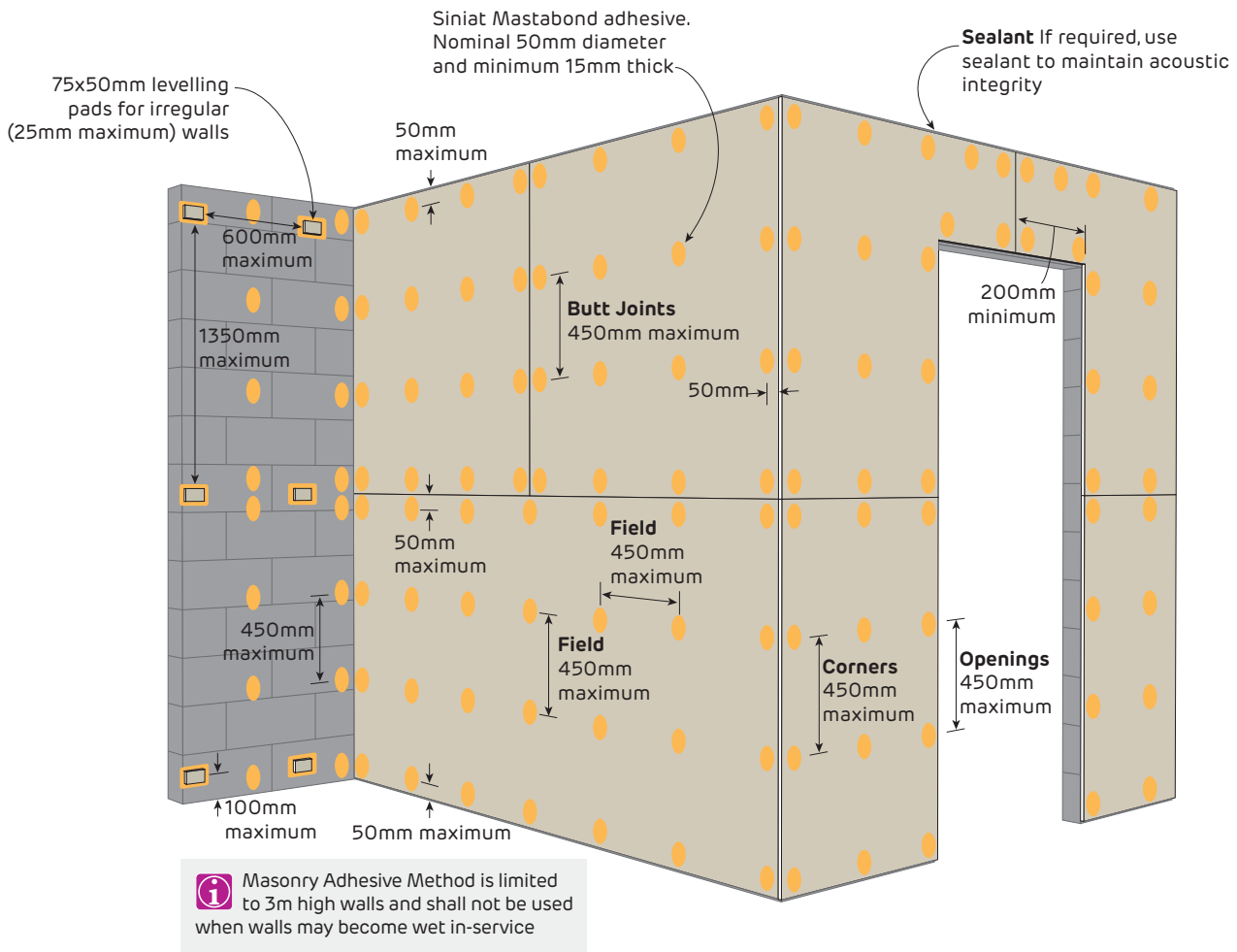
For steel ≤ 0.75mm BMT, use fine thread needle point screws.

For steel ≥ 0.75mm BMT, use fine thread drill point screws.

*10g x 38mm Laminating screws may be used as detailed in installation diagrams.



FIGURE 1 Non-Fire Rated 1 Layer - Horizontal
Masonry Adhesive Method



Fixing Pattern Table

Sheet Width	Fixing Pattern
600mm	A A A A (4)
900mm	A A A A (4)
1200mm	A A A A A (5)
1350mm	A A A A A (5)
1400mm	A A A A A (5)

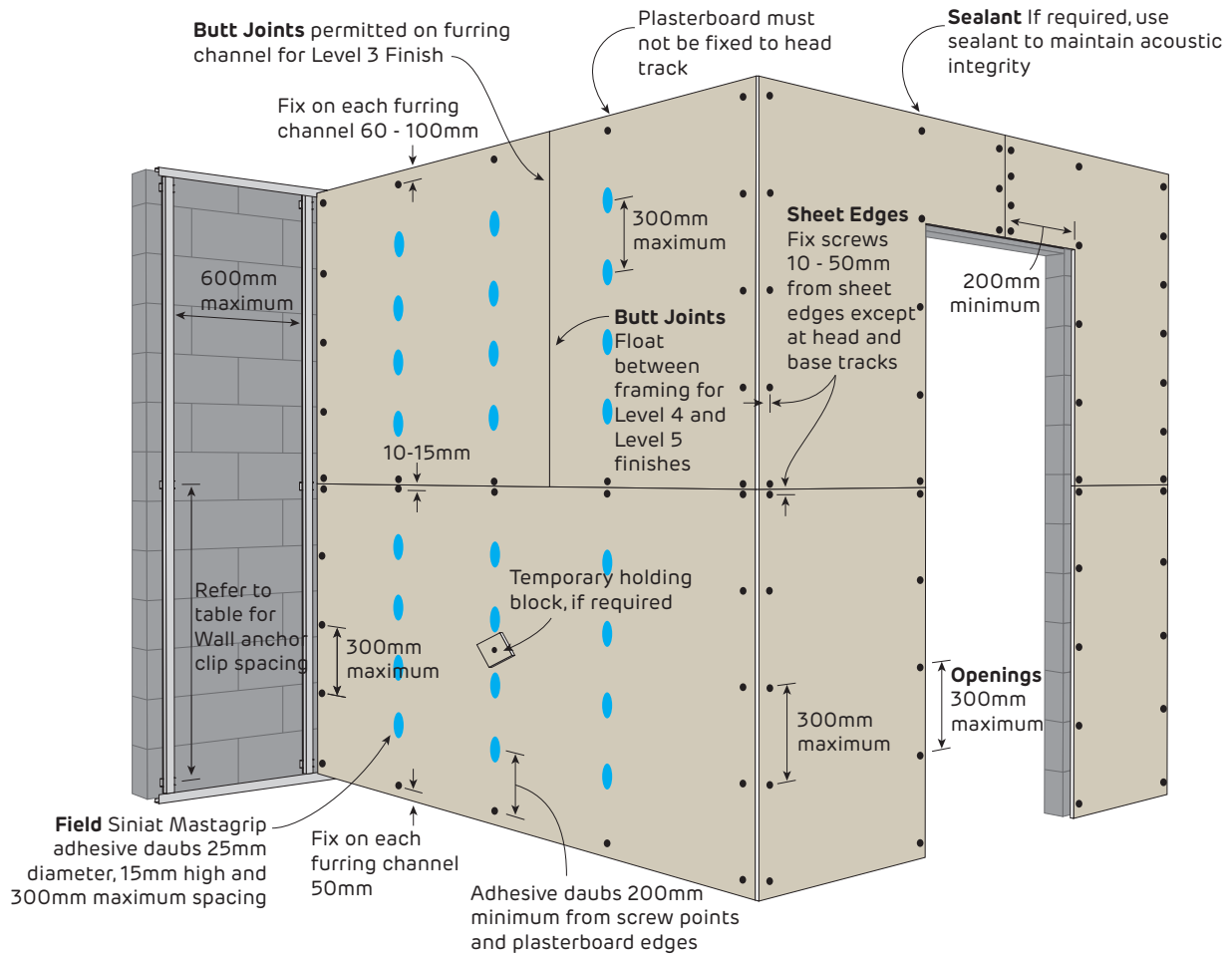
A = Adhesive daub

Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Maximum Adhesive Daub Column Spacing	
	450mm	300mm
10mm	0.95	1.40
13mm	1.05	1.60
16mm	1.05	1.60

1. Calculations do not include the substrate which must be independently designed to suit the desired loads.
2. If higher internal wind pressures are expected, please contact Siniat for specific design.

FIGURE 2 Non-Fire Rated 1 Layer - Horizontal
Screw and Adhesive Method over vertical furring channels



Fixing Pattern Table

Sheet Width	Fixing Pattern
600mm	S A A S
900mm	S A A A S
1200mm	S A A A A S
1350mm	S A A A A A S
1400mm	S A A A A A S

S = Screw
A = Adhesive daub

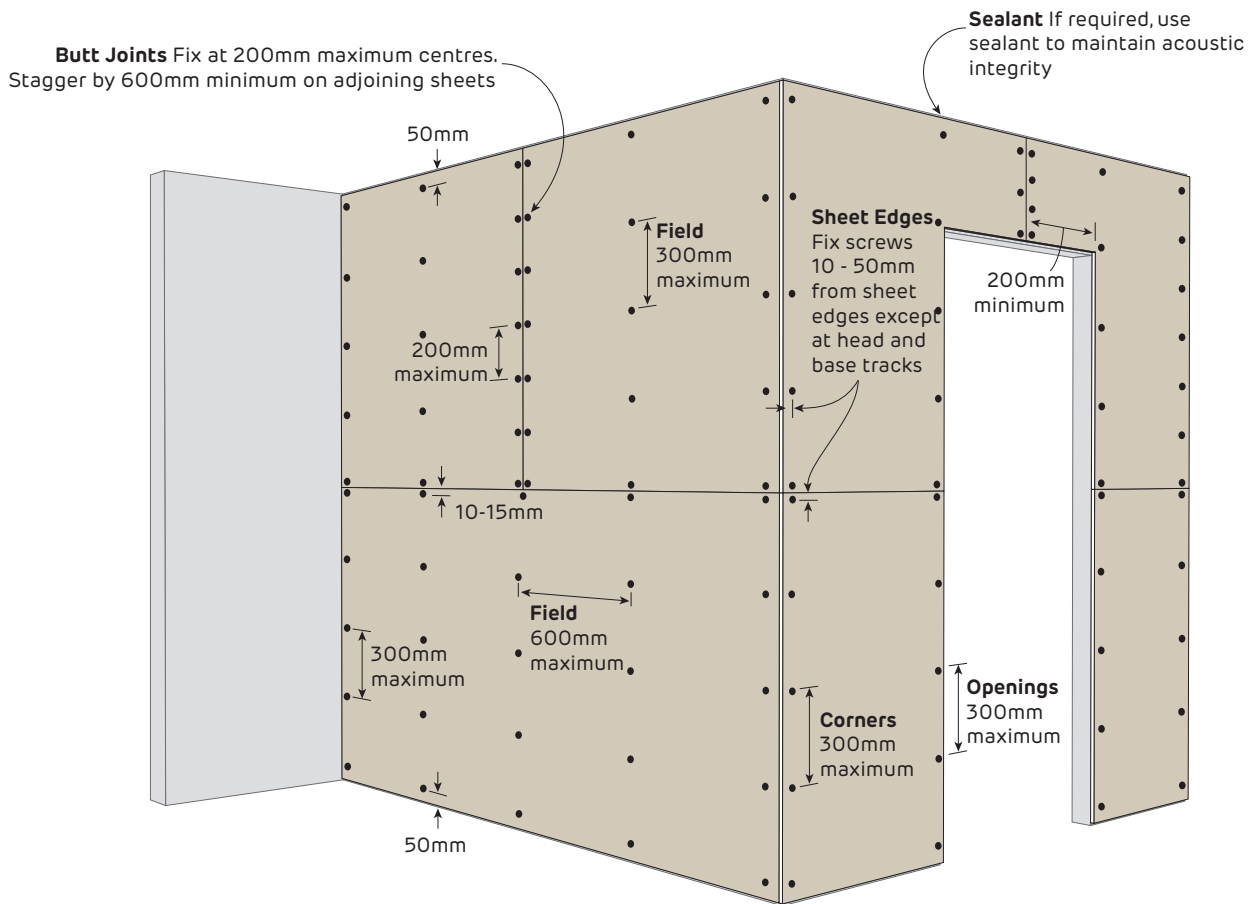
Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Maximum Furring Channel Spacing			
	600mm	450mm	400mm	300mm
10mm	0.95	1.30	1.45	1.95
13mm	1.10	1.45	1.65	2.20
16mm	1.10	1.45	1.65	2.20

1. Calculations do not include the framing which must be independently designed to suit the desired loads.
2. If higher internal wind pressures are expected, please contact Siniat for specific design.



FIGURE 3 Non-Fire Rated 1 Layer - Horizontal
Laminating Screw Method to Autoclaved Aerated Concrete (AAC)



Fixing Pattern Table

Sheet Width	Fixing Pattern
600mm	S S S (3)
900mm	S S S S (4)
1200mm	S S S S S (5)
1350mm	S S S S S S (6)
1400mm	S S S S S S (6)

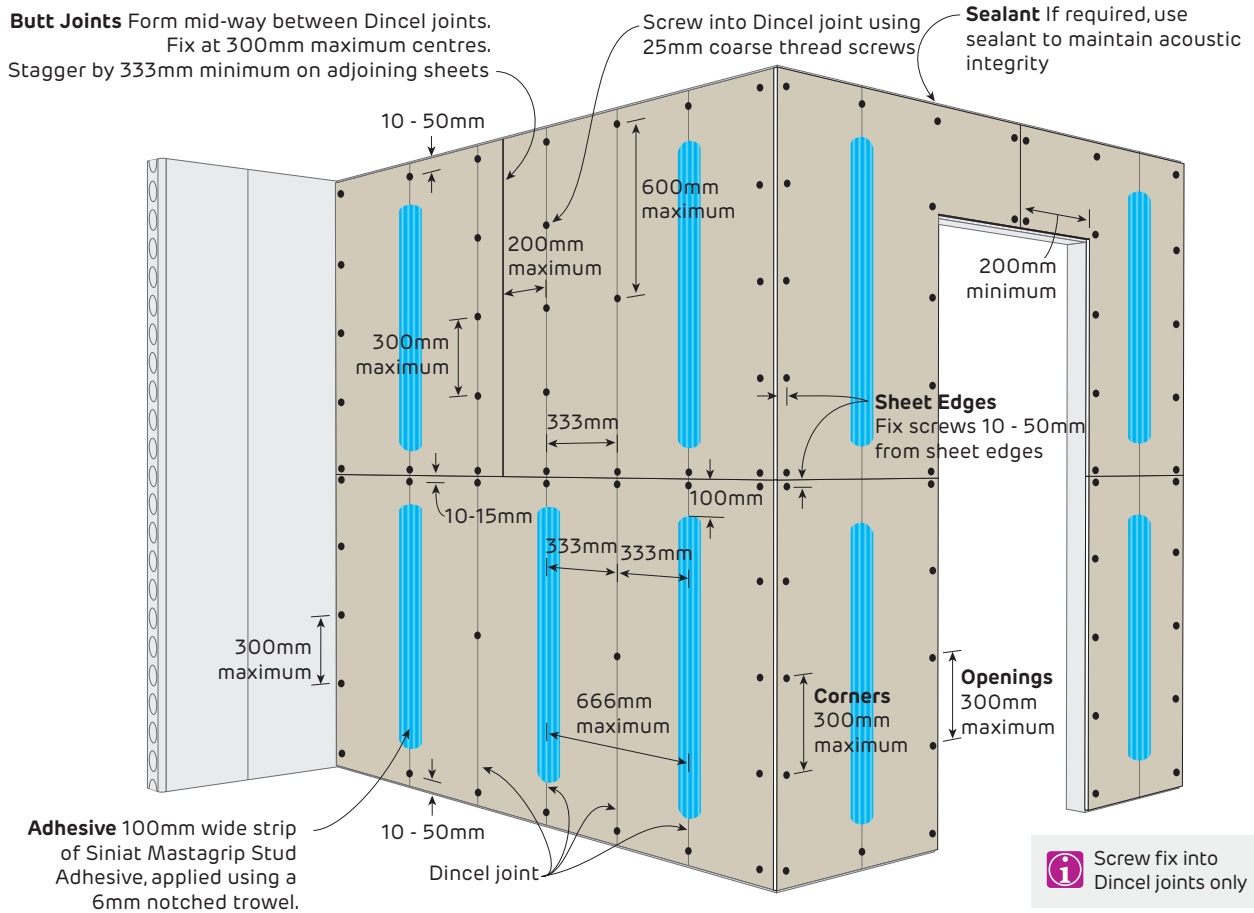
S = Screw
A = Adhesive daub

Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Maximum Screw Column Spacing			
	600mm	450mm	400mm	300mm
10mm	0.75	1.05	1.15	1.55
13mm	0.85	1.15	1.30	1.75
16mm	0.85	1.15	1.30	1.75

1. Calculations do not include the substrate which must be independently designed to suit the desired loads.
2. If higher internal wind pressures are expected, please contact Siniat for specific design.

FIGURE 4 Non-Fire Rated 1 Layer - Horizontal
Screw and Adhesive Method to concrete filled Dintel PVC Permanent Formwork



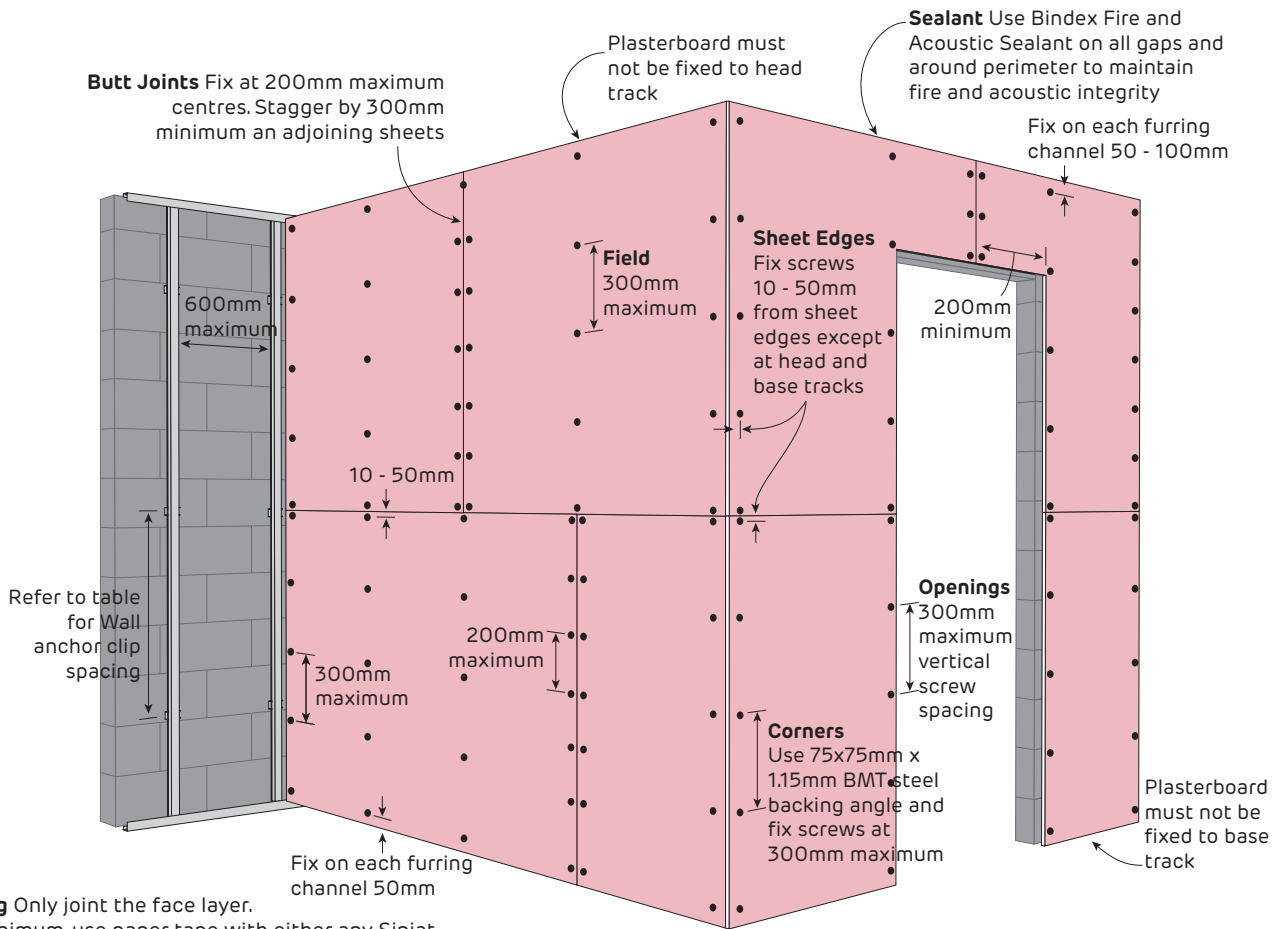
Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Fixing Column Spacing
	333mm
13mm	0.75
16mm	0.75

1. Calculations do not include the substrate which must be independently designed to suit the desired loads.
2. If higher internal wind pressures are expected, please contact Siniat for specific design.



FIGURE 5 Fire Rated - 1 Layer Horizontal
Screw Method over vertical furring channels



Jointing Only joint the face layer. As a minimum, use paper tape with either any Siniat jointing compound applied in one or two coats to the thickness of two coats. Alternatively, for butt joints only, use Bindex Fire and Acoustic Sealant according to the Product Data Sheet.

Fixing Pattern Table

Sheet Width	Fixing Pattern
600mm	S S S (3)
900mm	S S S S (4)
1200mm	S S S S S (5)
1350mm	S S S S S S (6)
1400mm	S S S S S S (6)

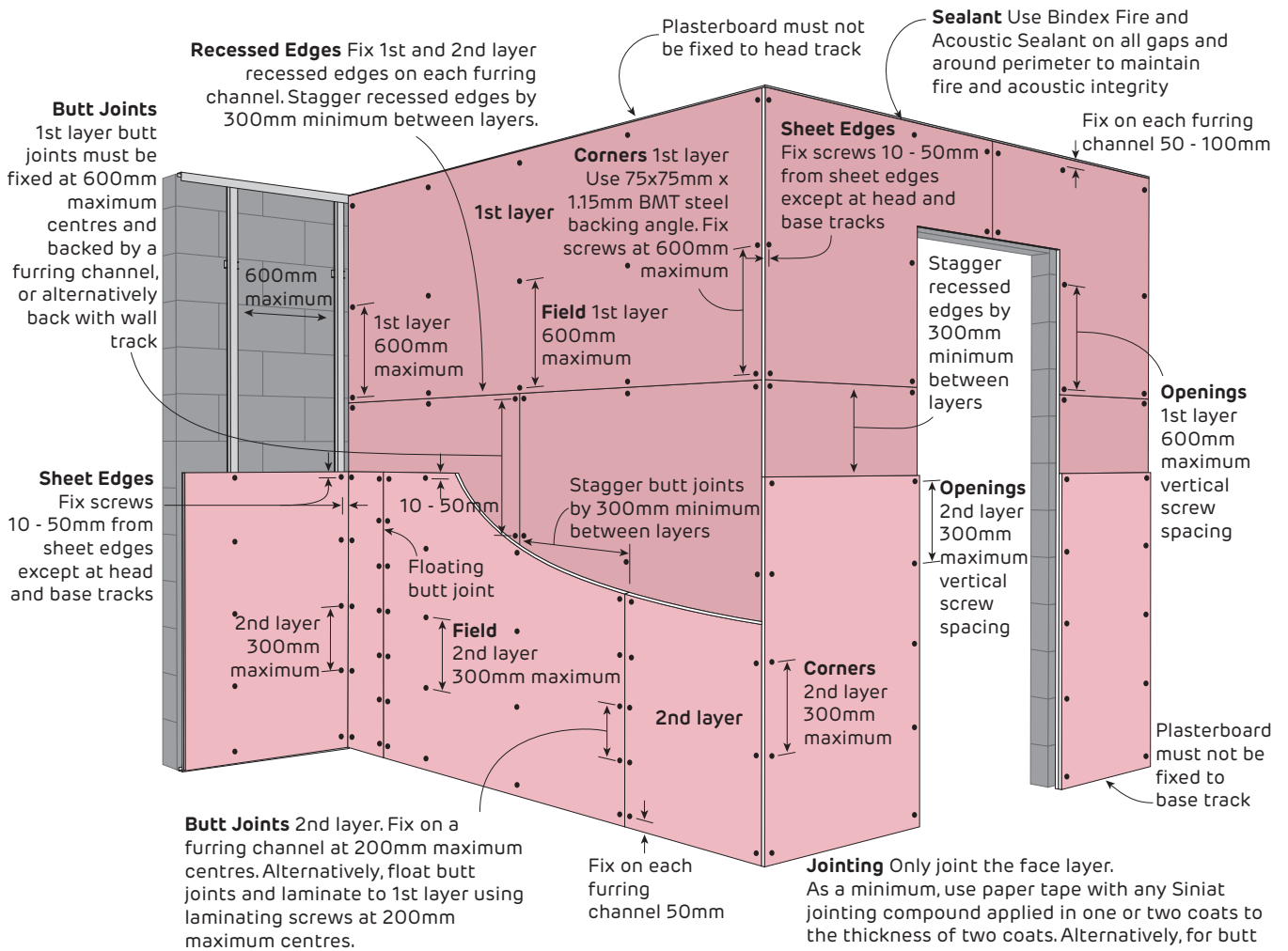
S = Screw

Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Maximum Furring Channel Spacing			
	600mm	450mm	400mm	300mm
13mm	0.85	1.15	1.30	1.75
16mm	0.85	1.15	1.30	1.75

1. Calculations do not include the framing which must be independently designed to suit the desired loads.
2. If higher internal wind pressures are expected, please contact Siniat for specific design.

FIGURE 6 Fire Rated 2 Layers - Horizontal + Horizontal
Screw Only Method over vertical furring channels



Fixing Pattern Table

Sheet Width	Fixing Pattern
600mm	S S S (3)
900mm	S S S S (4)
1200mm	S S S S S (5)
1350mm	S S S S S S (6)
1400mm	S S S S S S (6)

S = Screw

Maximum Ultimate Limit State Wind Load Table (kPa)

Plasterboard Thickness	Maximum Furring Channel Spacing			
	600mm	450mm	400mm	300mm
13mm	0.85	1.15	1.30	1.75
16mm	0.85	1.15	1.30	1.75

1. Calculations do not include the framing which must be independently designed to suit the desired loads.
2. If higher internal wind pressures are expected, please contact Siniat for specific design.



Fire Rated and Non-Fire Rated
Furring Channel Clips into Masonry

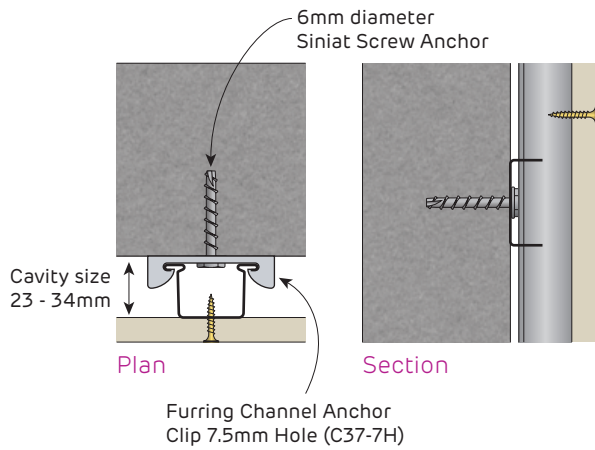


FIGURE 7 Furring Channel Clip
Anchor Clip 7.5mm Hole

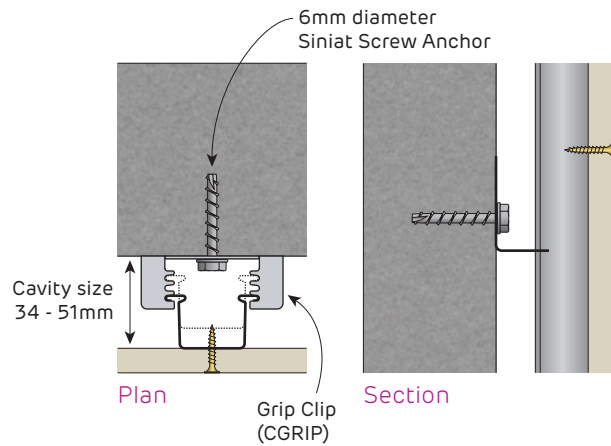


FIGURE 8 Furring Channel Clip
Grip Clip

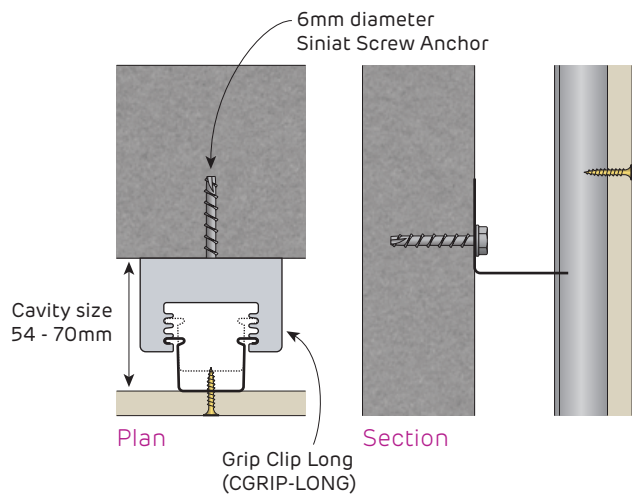


FIGURE 9 Furring Channel Clip
Grip Clip Long

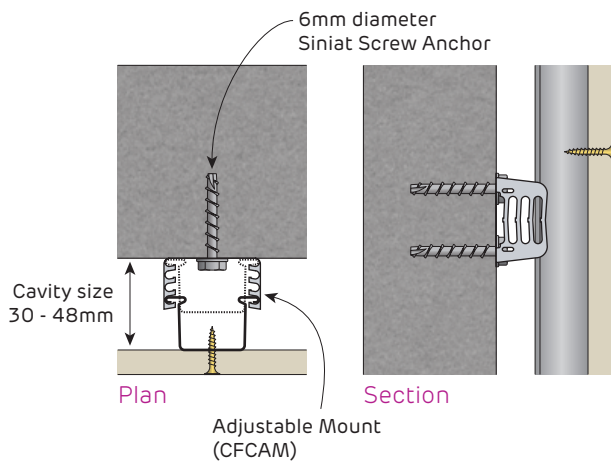
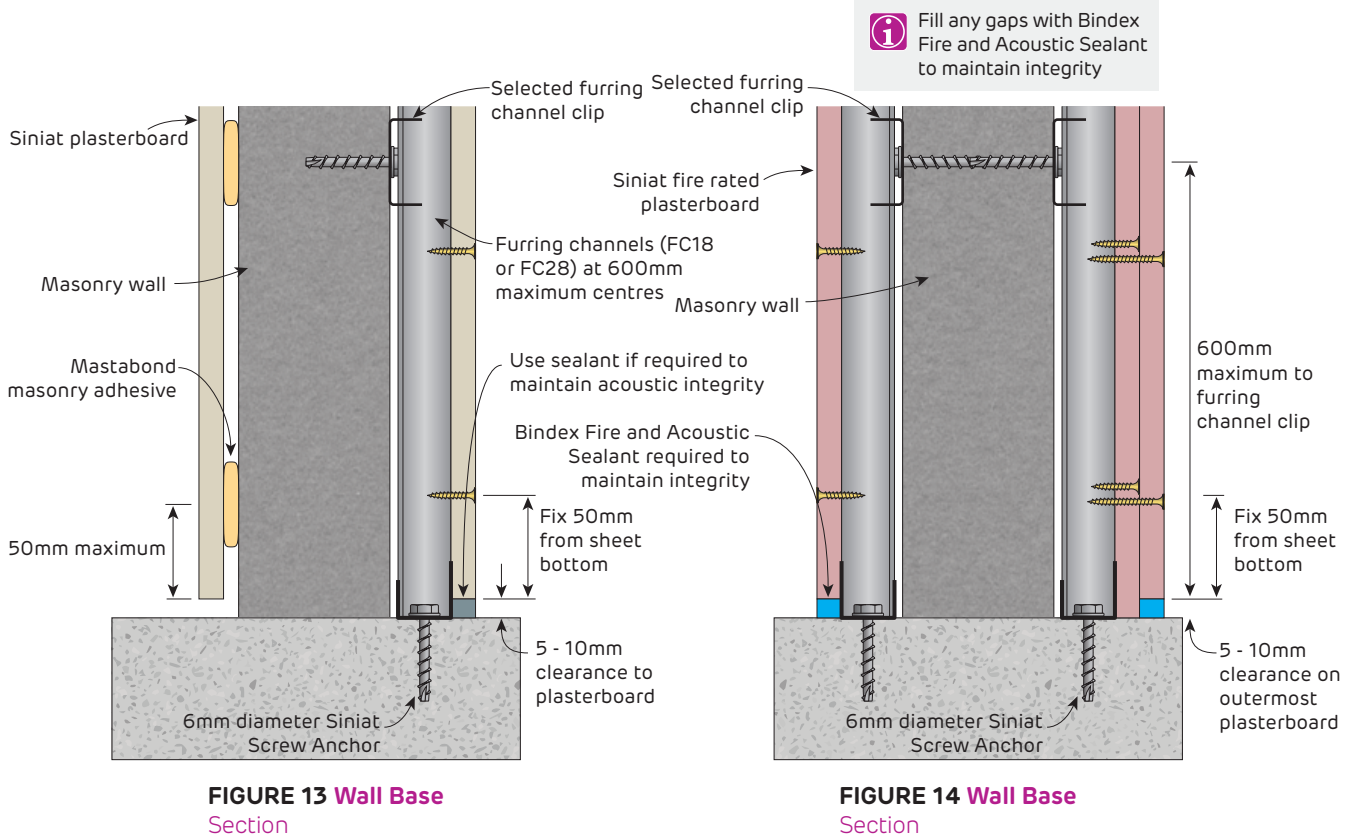
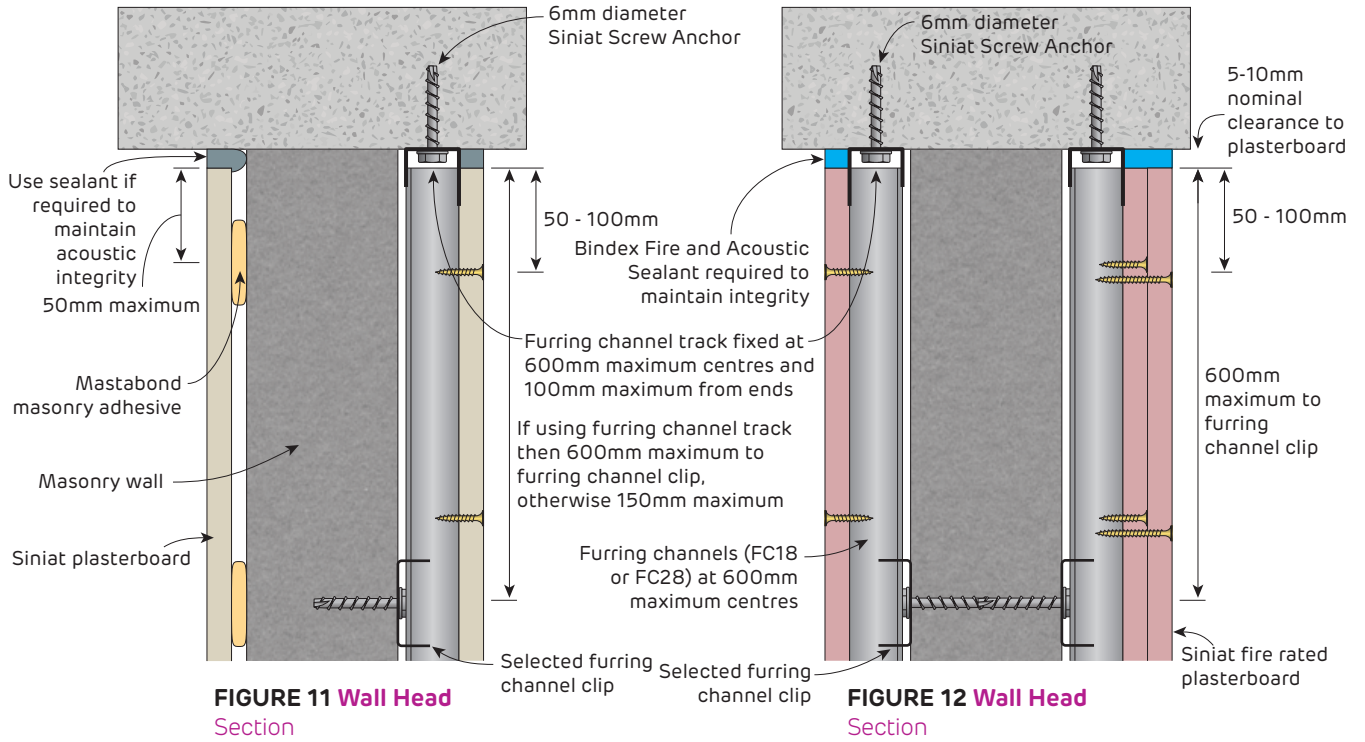


FIGURE 10 Furring Channel Clip
Adjustable Mount

**Fire Rated and Non-Fire Rated
Head and Base Details for Plasterboard with Masonry Walls**



i Fill any gaps with Bindex Fire and Acoustic Sealant to maintain integrity

i Outermost plasterboard sheets with no gap at the base are at risk of moisture wicking



Fire Rated and Non-Fire Rated
Details for Openings in Plasterboard with Masonry Walls

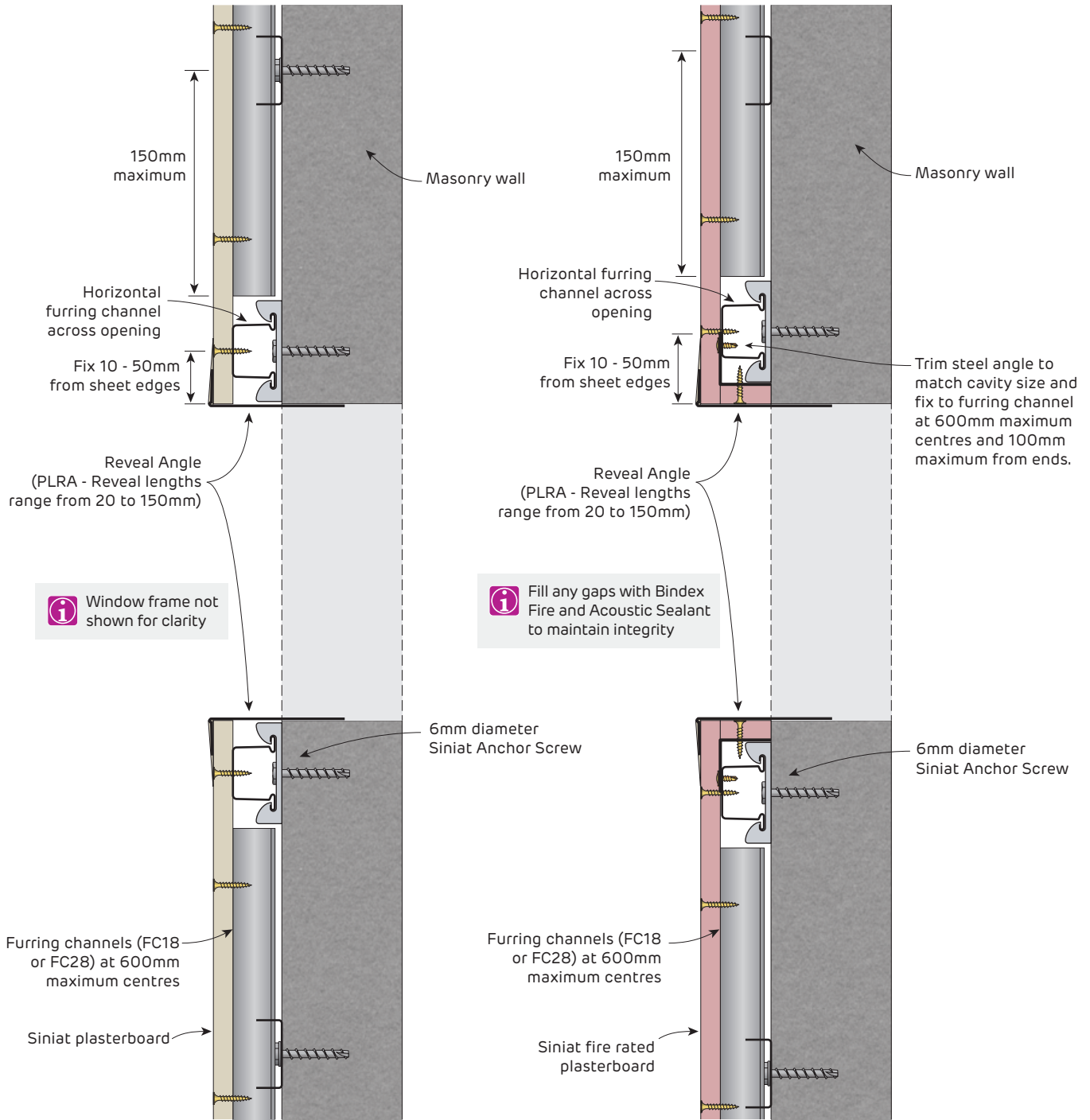


FIGURE 15 Wall Opening
 Section

FIGURE 16 Wall Opening
 Section

**Fire Rated and Non-Fire Rated
Details for Plasterboard with Masonry Walls**

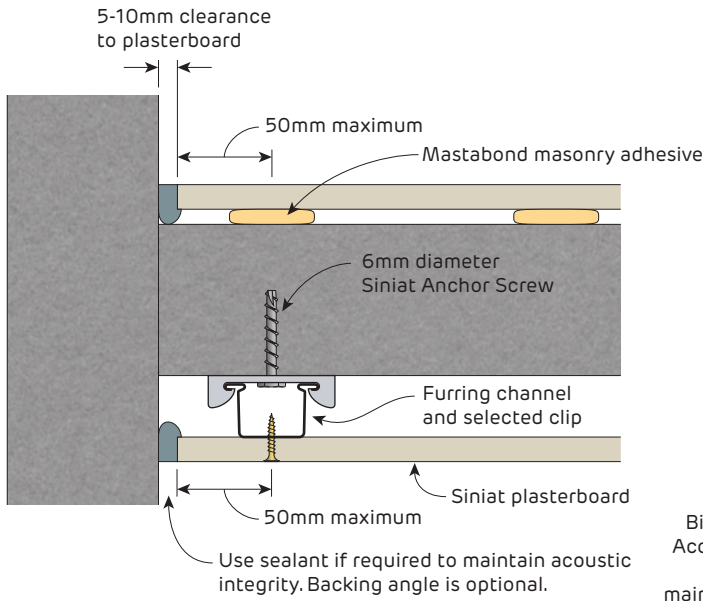


FIGURE 17 Wall End
Plan

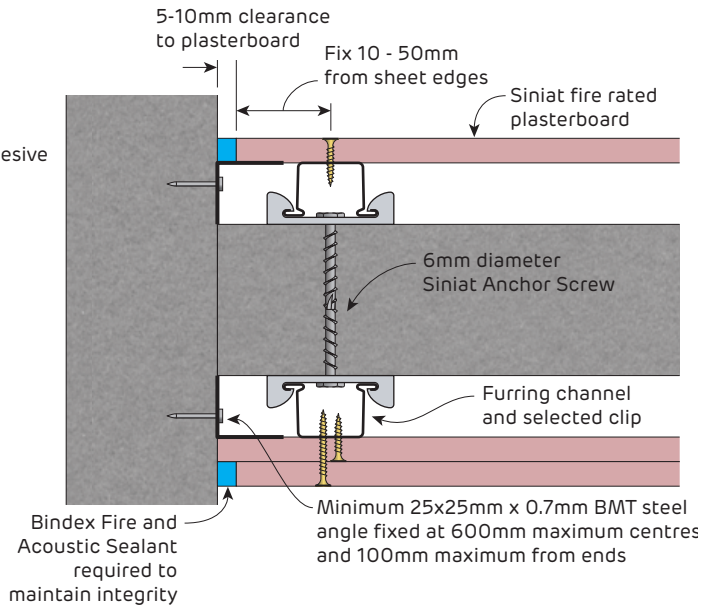


FIGURE 18 Wall End
Plan

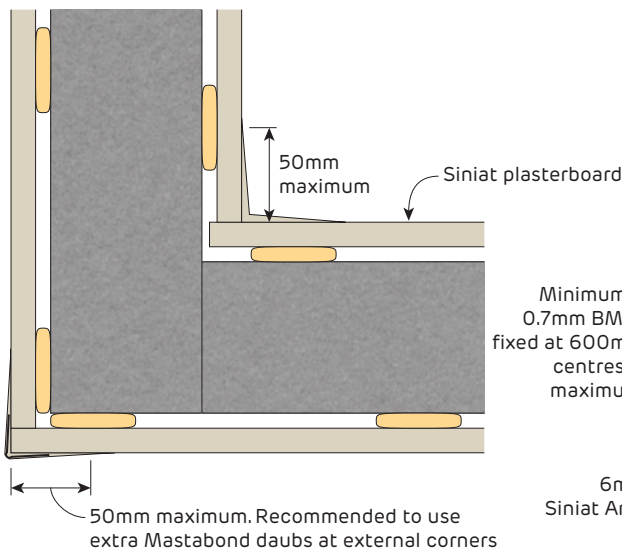


FIGURE 19 Wall Corner
Plan

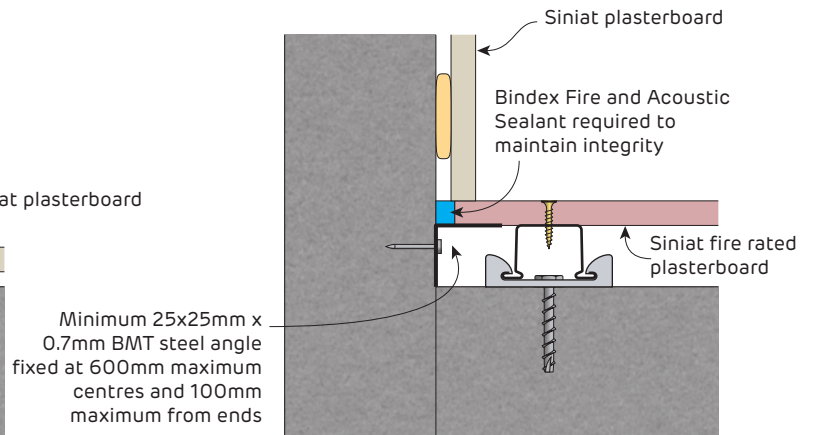


FIGURE 20 Wall Corner
Plan

Fill any gaps with Bindex Fire and Acoustic Sealant to maintain integrity

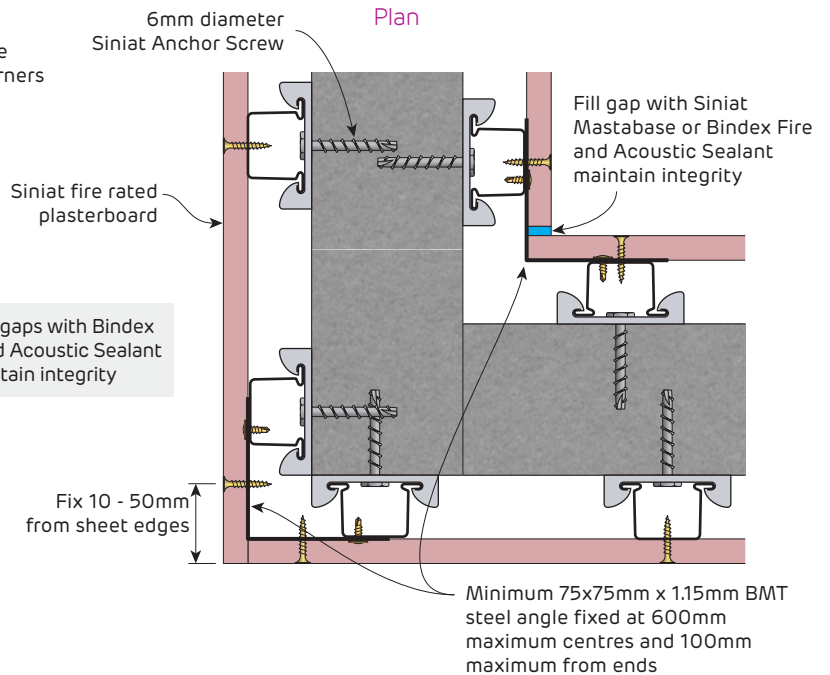


FIGURE 21 Wall Corner
Plan



**Fire Rated and Non-Fire Rated
Details for Plasterboard with Masonry Walls**

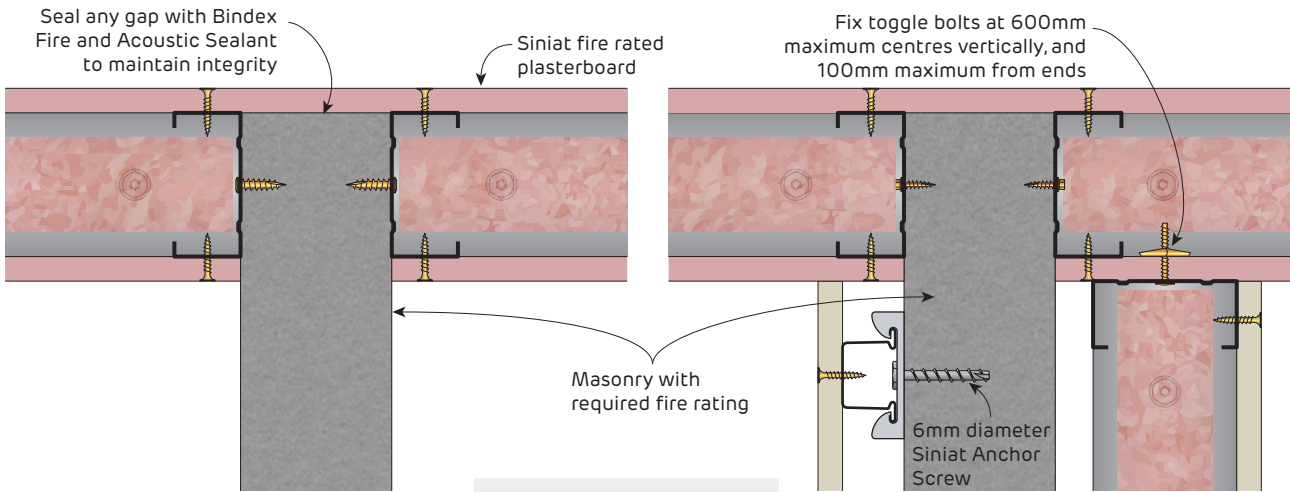


FIGURE 22 Wall Intersection Plan

i Fill any gaps with Bindex Fire and Acoustic Sealant to maintain integrity

FIGURE 23 Wall Intersection Plan

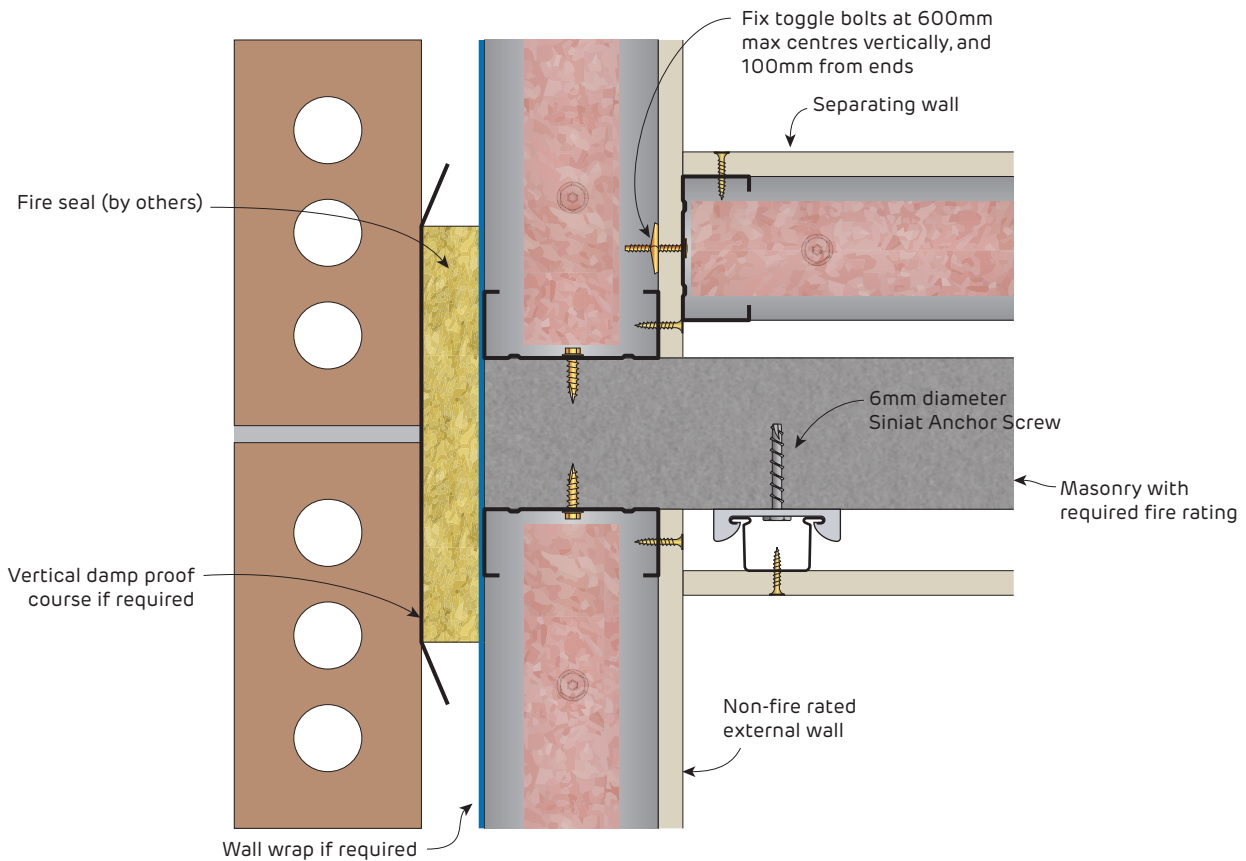


FIGURE 24 Typical Internal Masonry Separating Wall to Brick Veneer Example Only Plan

**Fire Rated and Non-Fire Rated
Control Joints in Plasterboard with Masonry Walls**

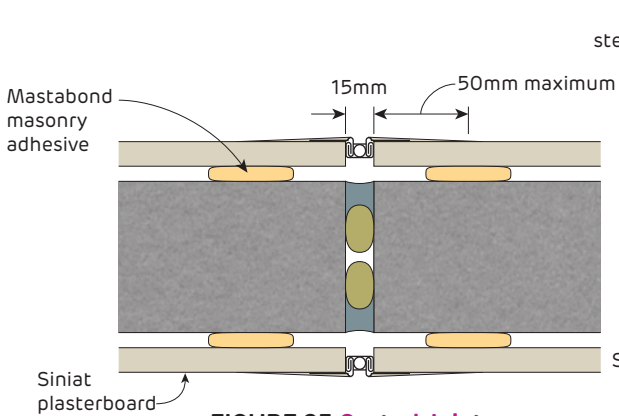


FIGURE 25 Control Joint Plan

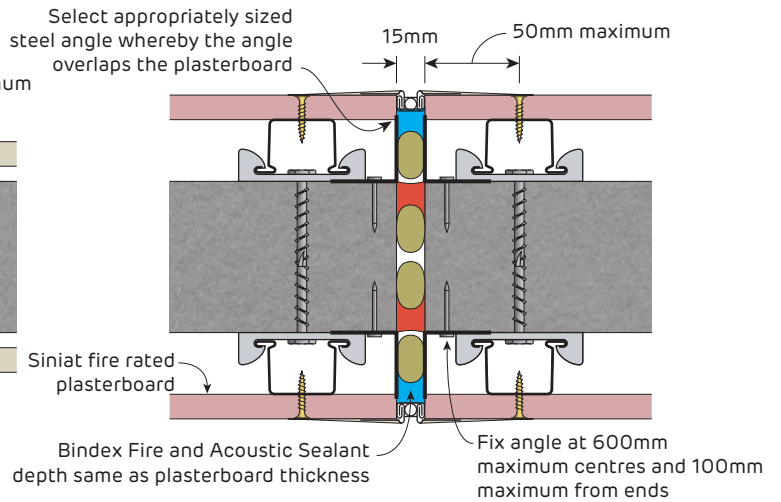


FIGURE 26 Control Joint Fire rated - 1 layer Plan

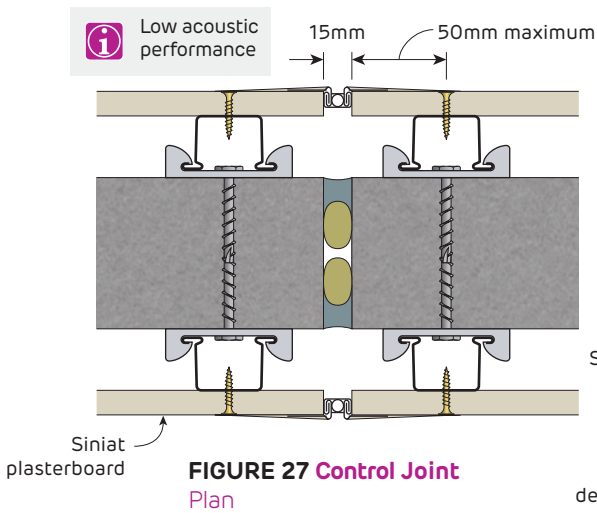


FIGURE 27 Control Joint Plan

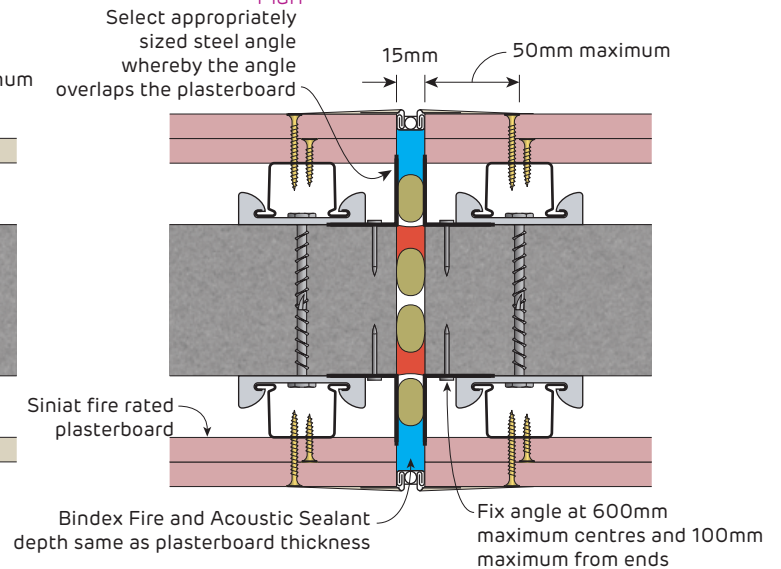


FIGURE 28 Control Joint Fire rated - 2 layers Plan

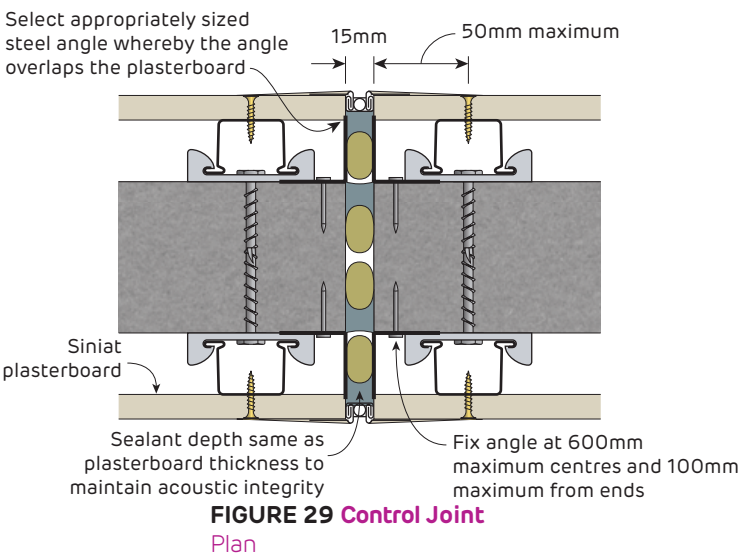


FIGURE 29 Control Joint Plan

- i** Siniat backing steel angle sizes available:
- 35x35mm x 0.7mm BMT
 - 50x50mm x 0.7mm BMT
 - 50x50mm x 1.15mm BMT
 - 75x75mm x 1.15mm BMT
 - 100x100mm x 1.15mm BMT