

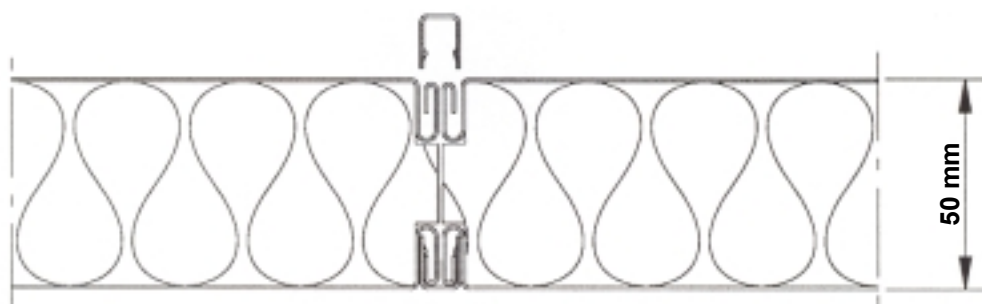
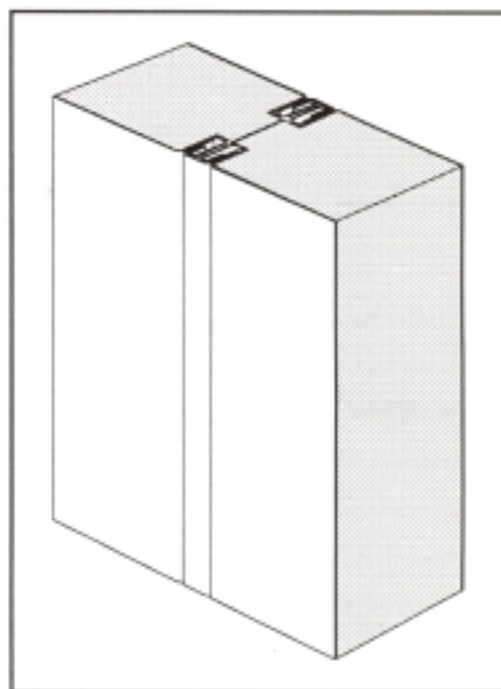


Aabo Akustik

INDOOR WALL SYSTEMS

**AABO AKUSTIK FLEXIBLE
WALL SYSTEM**

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Latest available technical information regarding products will be given on request.



Economy wall 50
PA30CL50

PANEL	PA30CL50
Thickness	50 mm
Weight	19,1 kg/sq.m
Surface finish/	Painted. /565,1180 mm
Modular width	PVC, Galv./590,1180 mm
Fire class	Incombustible
Sound reduction	Rw=32 dB
Coefficient of thermal conductance	0,81 W/sq.m C

TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanized steel sheet
Width : ± 1 mm	Density : 170 kg/cu.m ± 10%	Surface finish/
Thickness : +0/-1 mm		Thickness : PVC, Galv / 0,5 mm. Painted / 0,6 mm

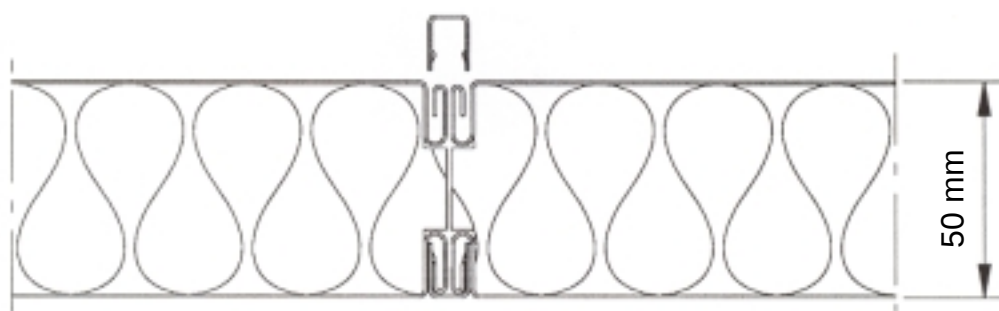
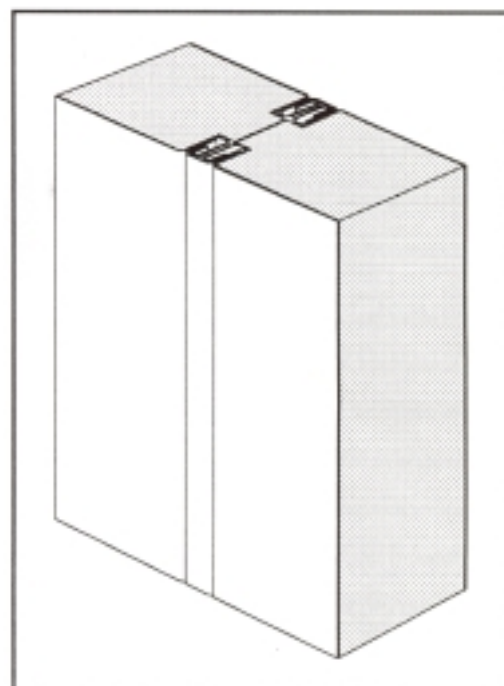
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**SUPER ECONOMY WALL 50
PA31CL50**

PANEL	PA31CL50
Thickness :	50 mm
Weight :	14,5 kg/sq.m
Surface layer/	Galvanized / 590, 1180 mm
Modular width :	Painted. /565,1180 mm
Fire class:	Incombustible
Sound reduction :	30 dB la lab (calc.)
Coefficient of thermal :	
Conductance :	0,75 W/sq.m C

TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanized steel sheet
Width : ± 1 mm	Density : 80 kg/cu.m ± 10%	Surface finish/
Thickness : +0/-1 mm		Thickness : Galv. / 0,5 mm. Painted. / 0,6 mm

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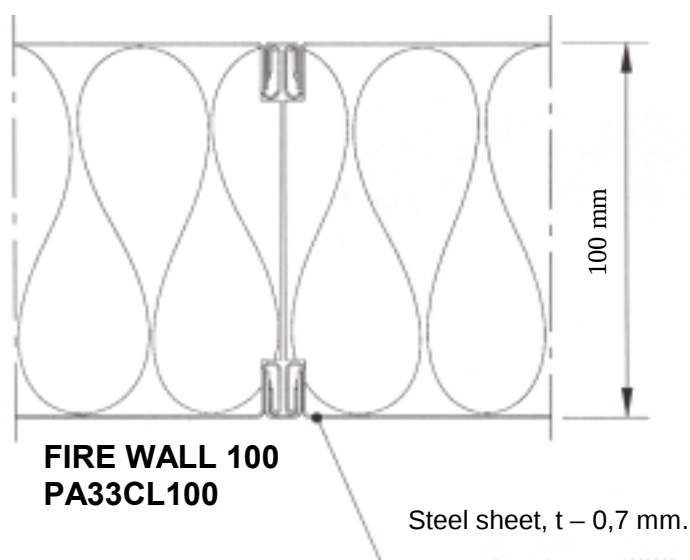
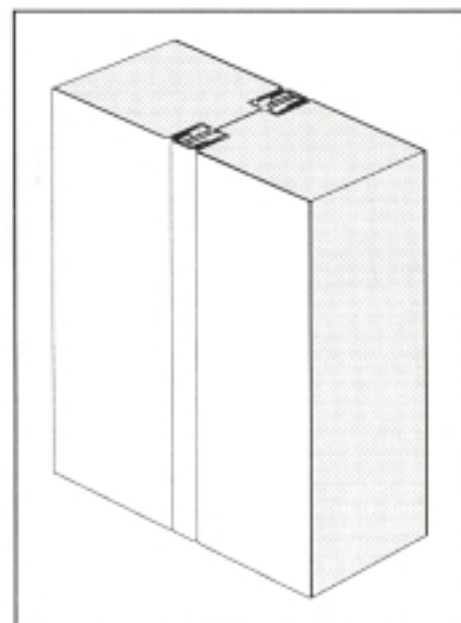
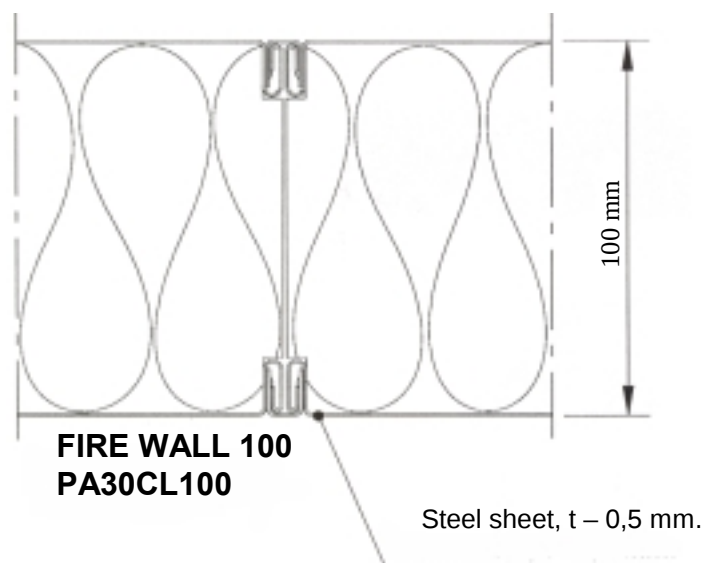
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Fire walls



FIRE WALL 100

FIRE WALL 100

PANEL	PA30CL100	PA33CL100	
Thickness :	100 mm	100 mm	'Type approval certificate Nr: 4427/88
Weight :	27,6 kg/sq.m	29,3 kg/sq.m	
Surface finish/	Painted / 565, 1180 mm	Painted / 565,1180 mm	
Modular width :	PVC, Galv./ 590,1180 mm	PVC,Galv./ 590,1180 mm	
Fire class :	A 60 *	Not fire tested	
Sound reduction :	32 dB la lab	Rw = 33dB	
Coefficient of thermal			
Conductance :	0,44 W/sq.m C	0,44 W/sq.m C	

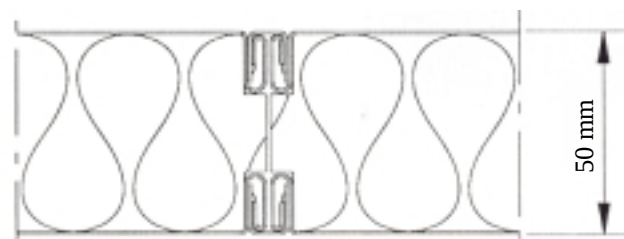
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 170 kg/sq.m ± 10 %	Surface finish/: PVC,Galv./0,5 mm
Thickness : +0/-1 mm		Thickness White painted /0,6 mm

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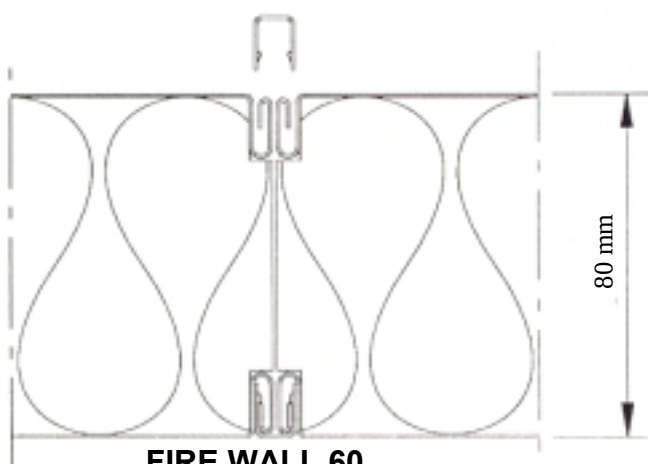
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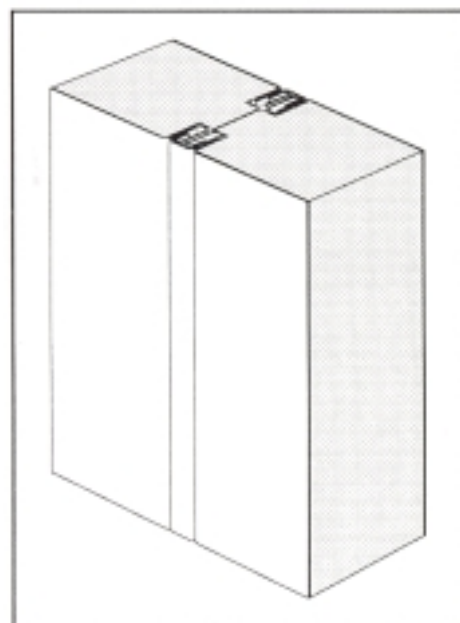
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FIRE WALL 30
PA33CL50



FIRE WALL 60
PA30CL80



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FIRE WALL 30

FIRE WALL 60

PANEL	PA33CL50	PA30CL80	
Thickness :	50 mm	80 mm	'Type approval certificate Nr: 4427/88
Weight :	20,8 kg/sq.m	24,2 kg/sq.m	
Surface finish/	Painted / 565, 1180 mm	Painted / 565,1180 mm	
Modular width :	PVC, Galv./ 590,1180 mm	PVC, Galv./ 565,1180 mm	
Fire class :	A 30 *	A 60 *	
Sound reduction :	Rw=33 dB	-	
Coefficient of thermal Conductance :	0,81 W/sq.m C	0,54 W/sq.m C	

TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 170 kg/sq.m ± 10 %	Surface finish/: PVC, Galv./0,5 mm (PA30CL80)
Thickness : +0/-1 mm		Thickness : /0,7 mm (PA33CL50)
		White painted/0,6 mm

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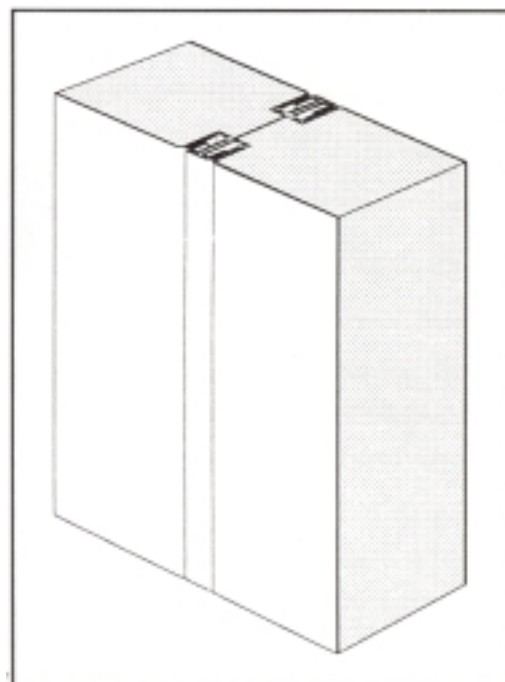
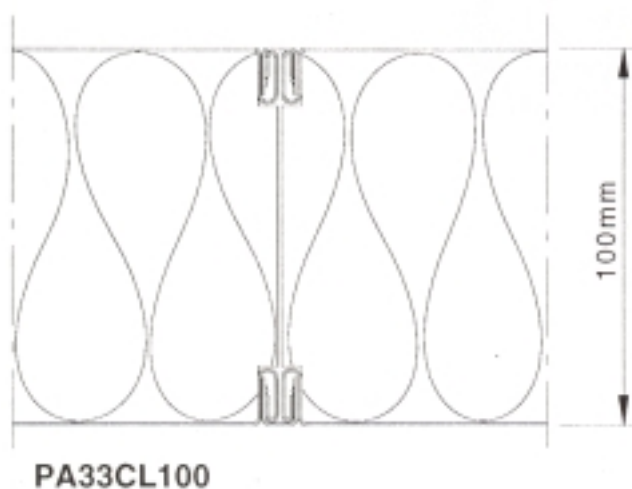
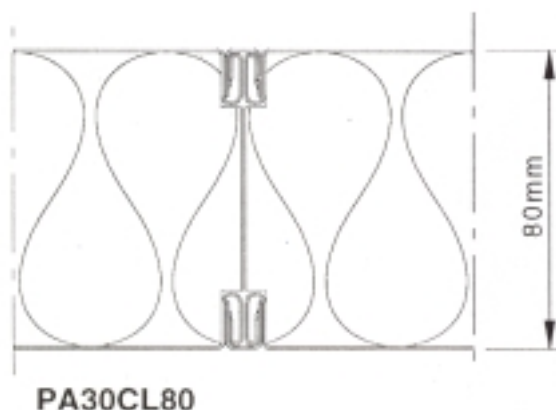
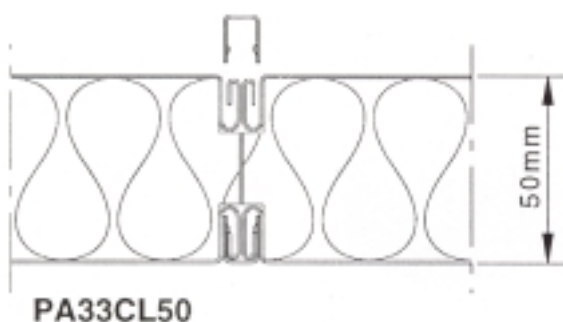
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Acoustic walls



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PANEL	PA33CL50	PA30CL80	PA33CL100
Thickness :	50 mm	80 mm	100 mm
Weight :	20,8 kg/sq.m	24,2 kg/sq.m	29,3 kg/sq.m
Surface finish/	Painted / 565, 1180 mm	Painted / 565, 1180 mm	Painted / 565, 1180 mm
Modular width :	PVC, Galv./ 590, 1180 mm	PVC, Galv./ 590, 1180 mm	PVC, Galv./ 590, 1180 mm
Fire class :	A 30 *	A 60 *	-
Sound reduction :	34 dB la lab **	33 dB la lab **	32 dB la lab-Rw=33 dB **
Coefficient of thermal			
Conductance :	0,81 W/sq.m C	0,54 W/sq.m C	0,44 W/sq.m C

* Type approval certificate Nr: 4427/88

**Sound tested with painted steel sheet – t=0,6 mm, and without routed insulation.

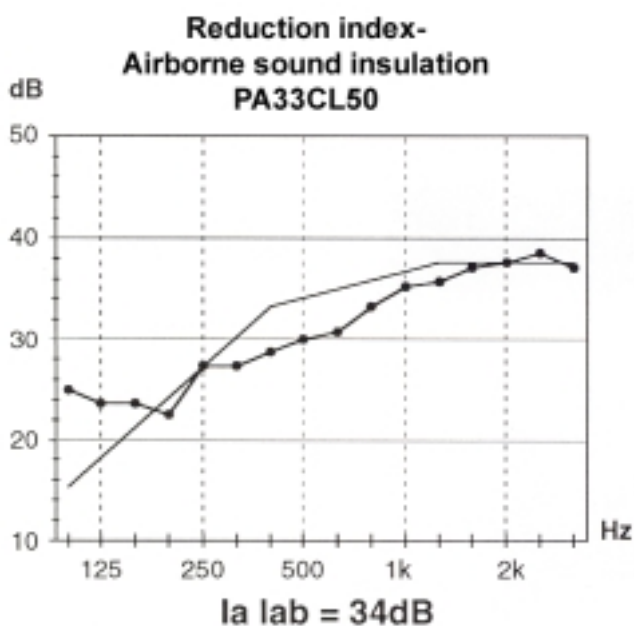
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 170 kg/cu.m ± 10 %	Surface finish/: PVC, Galv., Painted/ 0,7 mm-PA33CL50, 100
Thickness : +0/-1 mm		Thickness : PVC, Galv./ 0,5 mm-PA30CL80
		Painted / 0.6 mm-PA30CL80

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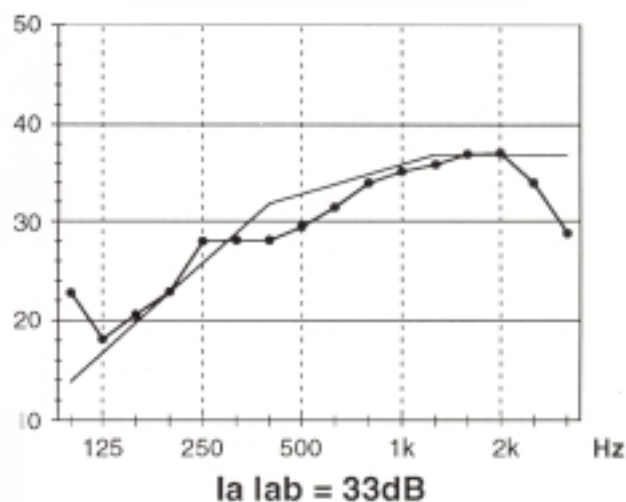
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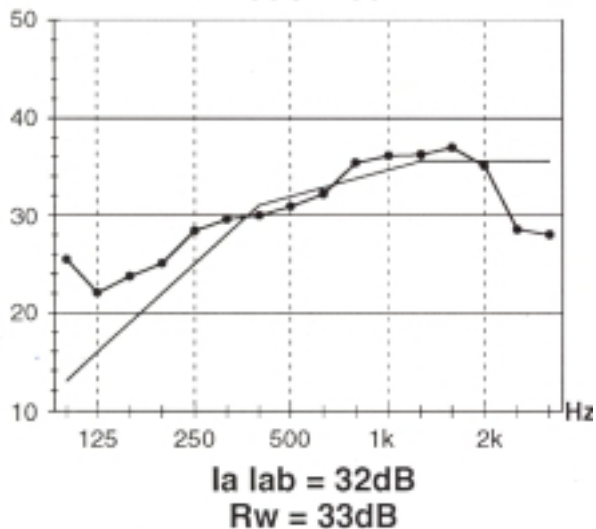
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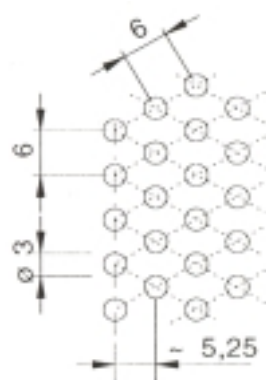
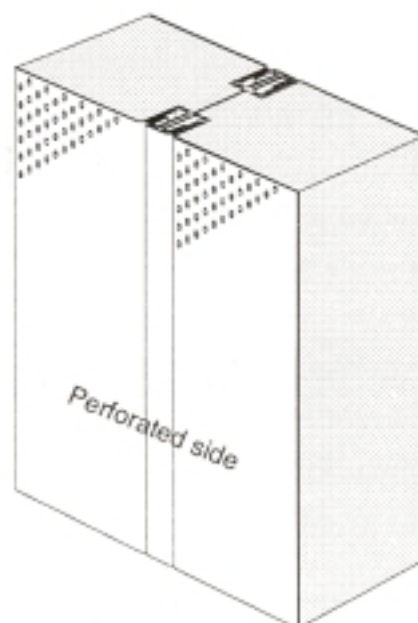
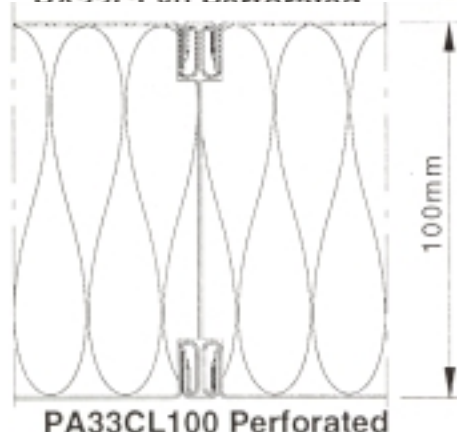
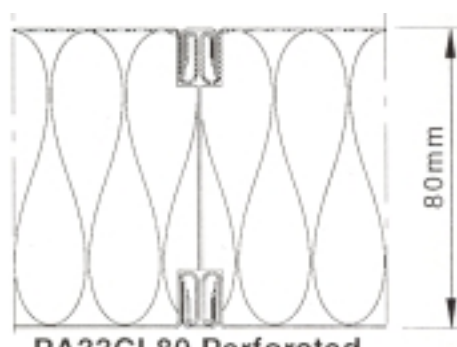
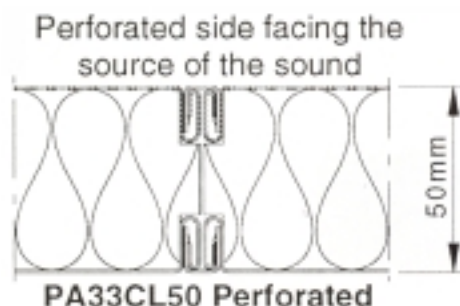
**Reduction index-
Airborne sound insulation
PA30CL80**



**Reduction index-
Airborne sound insulation
PA33CL100**



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Perforation

PANEL	PA33CL50 Perf.	PA33CL80 Perf.	PA33CL100 Perf.
Thickness :	50 mm	80 mm	100 mm
Weight :	19,1 kg/sq.m	24,2 kg/sq.m	27,6 kg/sq.m
Surface finish/	Painted / 565, 1180 mm	Painted / 565,1180 mm	Painted / 565,1180 mm
Modular width :	PVC, Galv./ 590 mm	PVC, Galv./ 590 mm	PVC, Galv./ 590 mm
Fire class :	Incombustible	Incombustible	Incombustible
Sound reduction :	34 dB la lab	36 dB la lab	37 dB la lab
Sound absorption :	Absorption class A	Absorption class A	Absorption class A
Coefficient of thermal Conductance :	0,81 W/sq.m C	0,54 W/sq.m C	0,44 W/sq.m C

*Sound tested with painted steel sheet – t=0,6 mm, and without routed insulation.

TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 170 kg/cu.m ± 10 %	Surface finish/ : (one side perforated)
Thickness : +0/-1 mm	Glue and wool will be visible at the point of perforation	Thickness : PVC, Galv./ 0,7 mm
		Painted / 0.6 mm

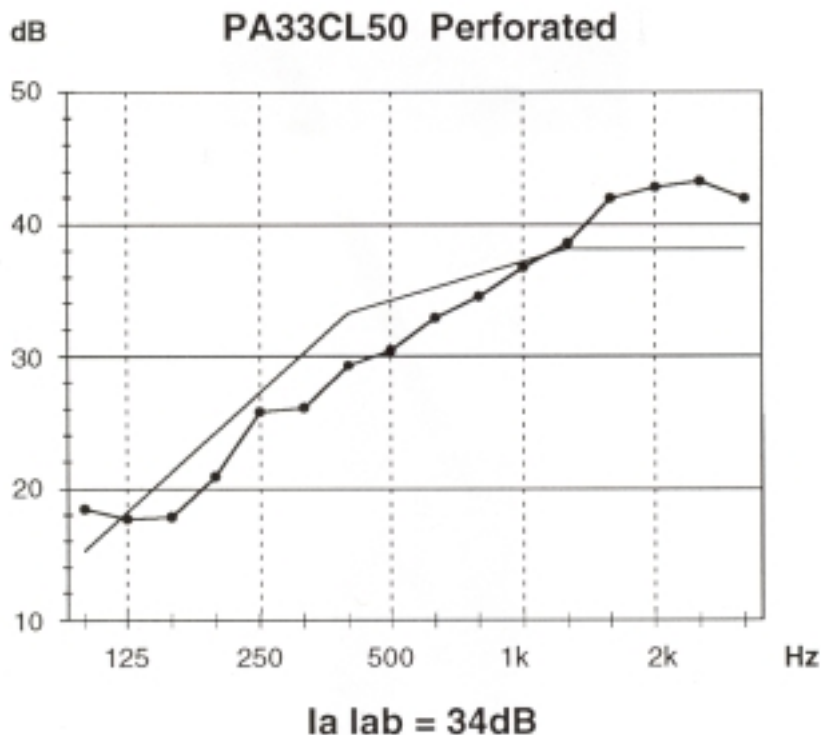
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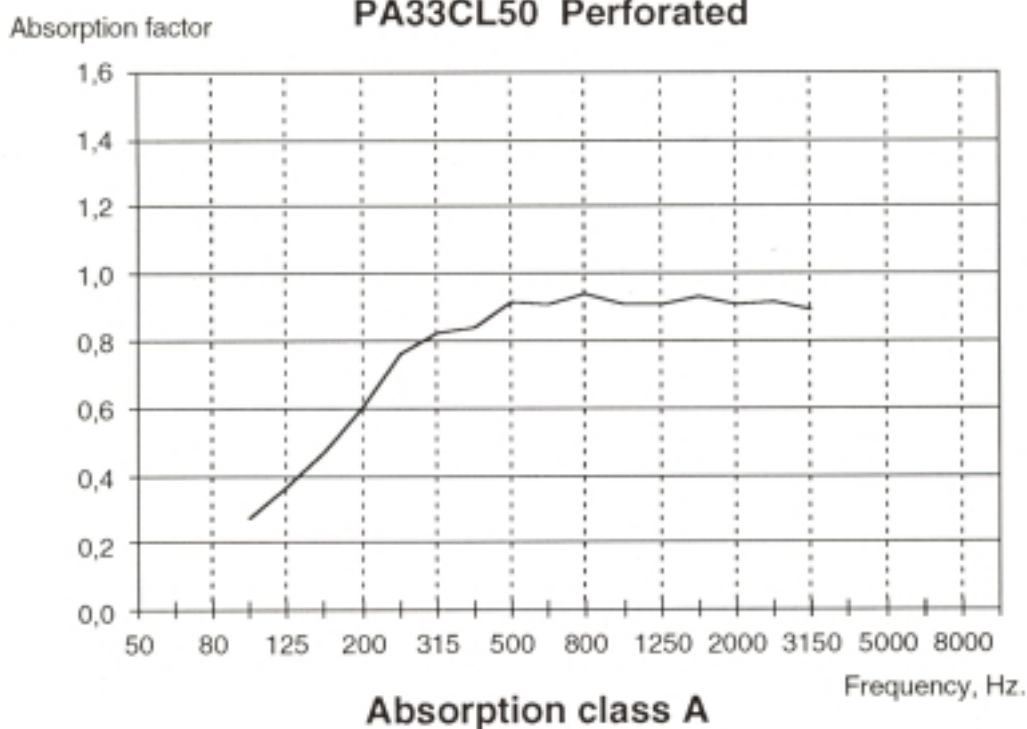
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Reduction index - Airborne sound insulation



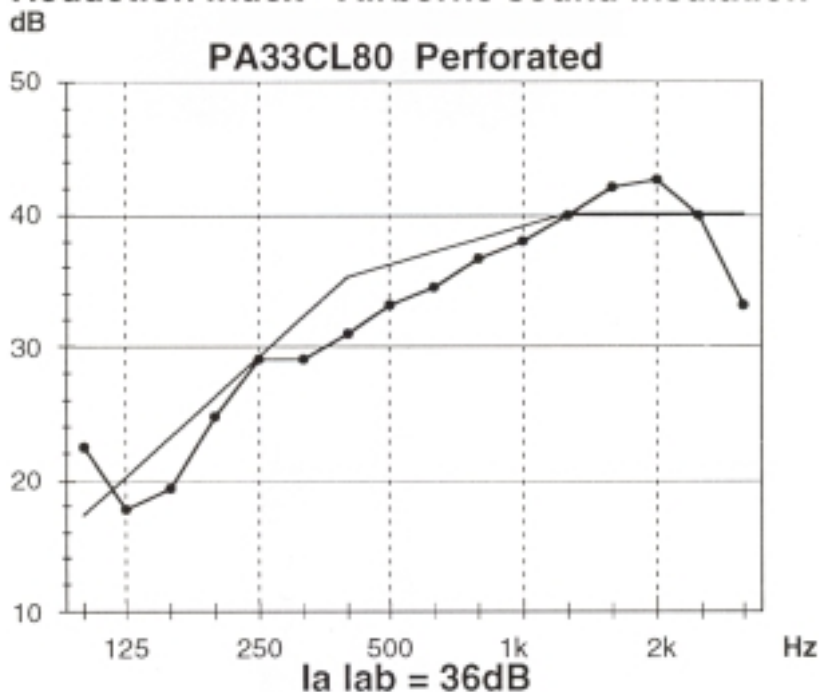
Sound absorption

PA33CL50 Perforated



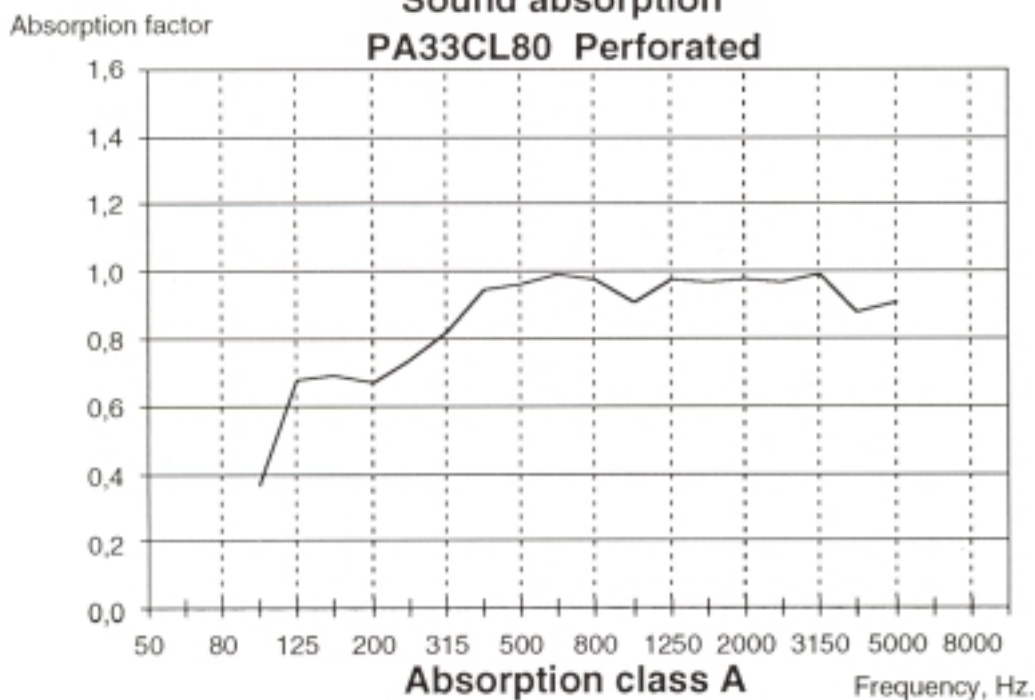
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Reduction index - Airborne sound insulation



Sound absorption

PA33CL80 Perforated

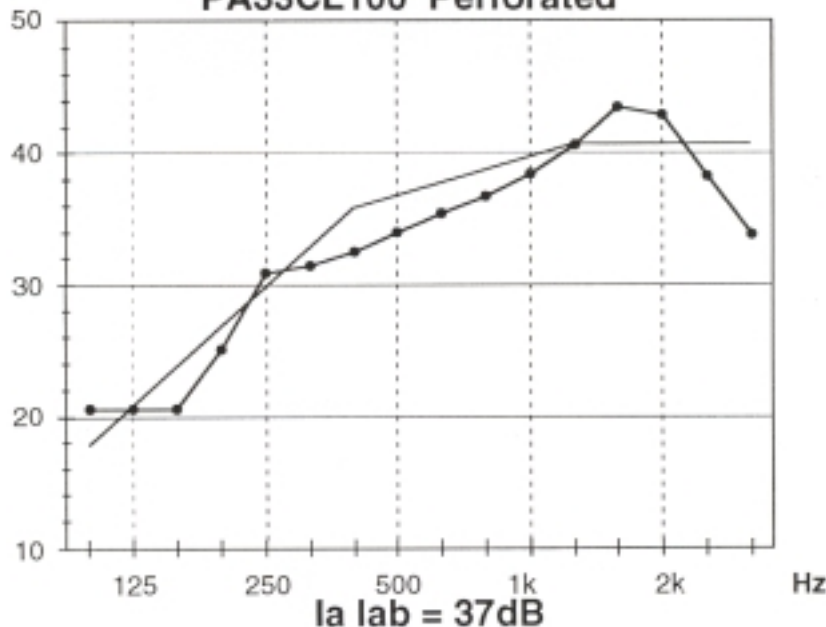


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Reduction index - Airborne sound insulation

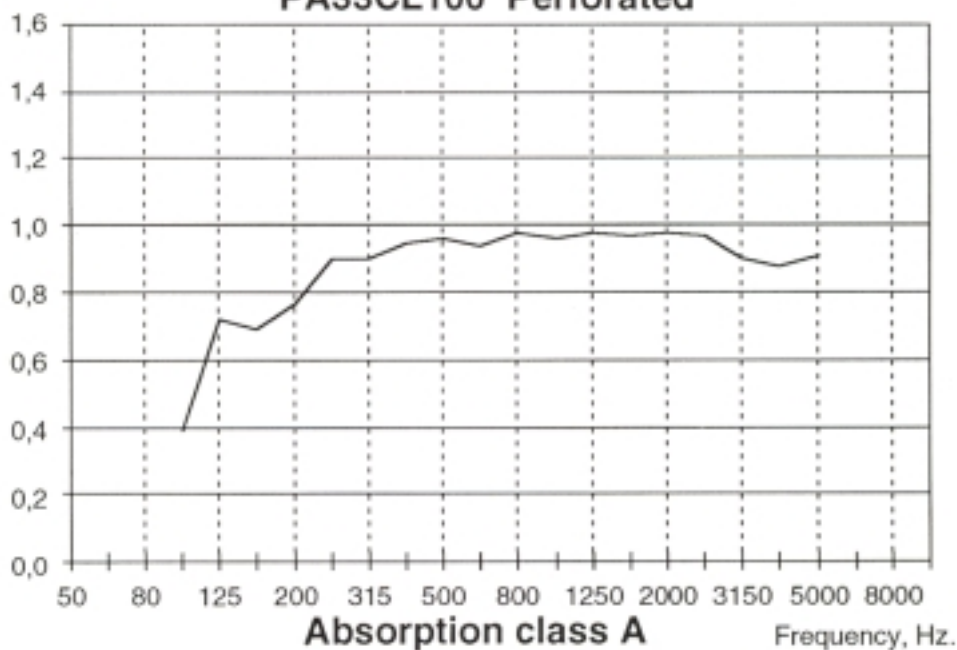
dB

PA33CL100 Perforated

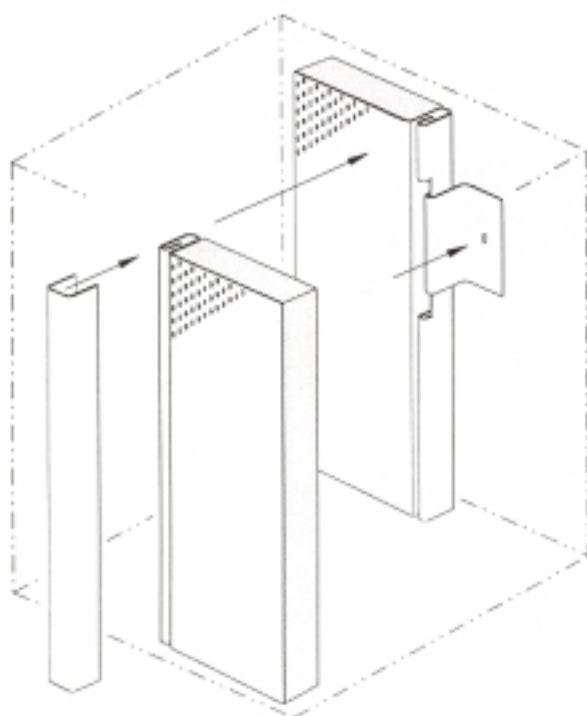


Sound absorption PA33CL100 Perforated

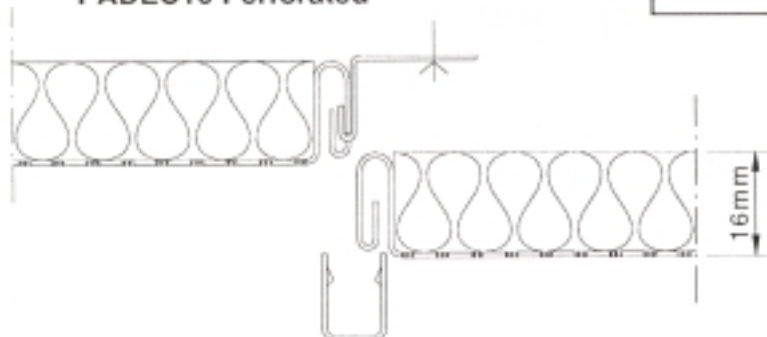
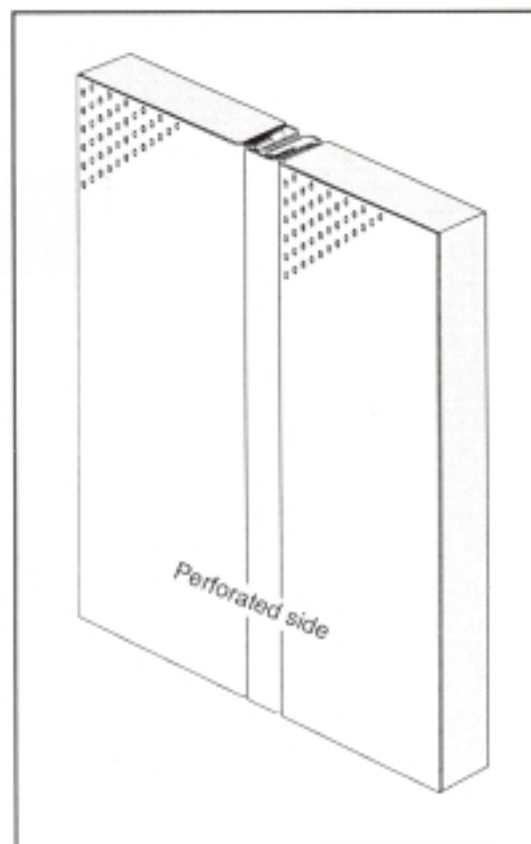
Absorption factor



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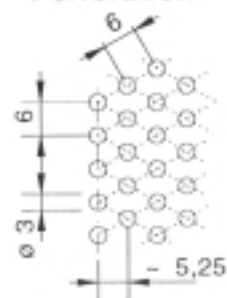


PADEC16 Perforated



Perforated side facing the
source of the sound

Perforation



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PANEL	PADEC16 Perf.		
Thickness :	16 mm		
Weight :	6,7 kg/sq.m		
Surface finish/	Painted / 565 mm		
Modular width :	PVC 600 mm		
Fire class :	Incombustible		
Sound absorption :	Not tested		

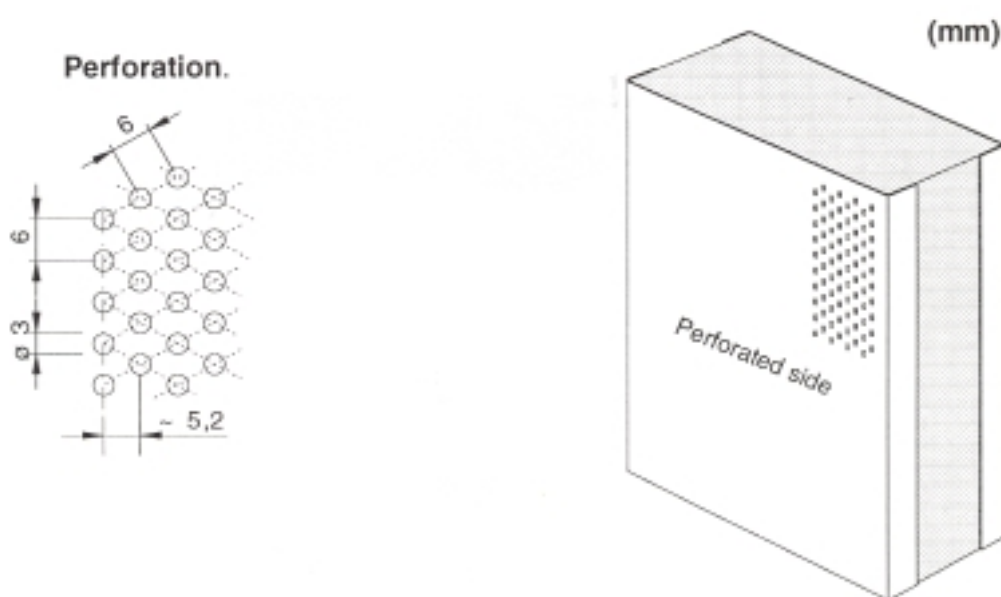
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : ~ 125 kg/cu.m	Surface finish/: Painted / 0,6 mm
Thickness : +0/-1 mm	Glue and wool will be visible at The point of perforation.	Thickness PVC / 0.7 mm

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PANEL	PA34A100		
Thickness :	100 mm		
Weight :	34,3 kg/sq.m		
Surface finish/			
Modular width :	Galv. / 590 mm		
Fire class :	Non combustible		
Sound reduction :	Rw=38 dB		
Sound absorption :	Absorption class A		
Coefficient of thermal			
Conductance :	0,46 W/sq.m C		

TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet (one side perforated)
Width : ± 3 mm	Density : ~ 170 kg/cu.m ± 10%	Surface finish/: Non perfo. / 1,5 mm
Thickness : +0/-1 mm	Glue and wool will be visible at The point of perforation.	Thickness Perfo. / 0.7 mm

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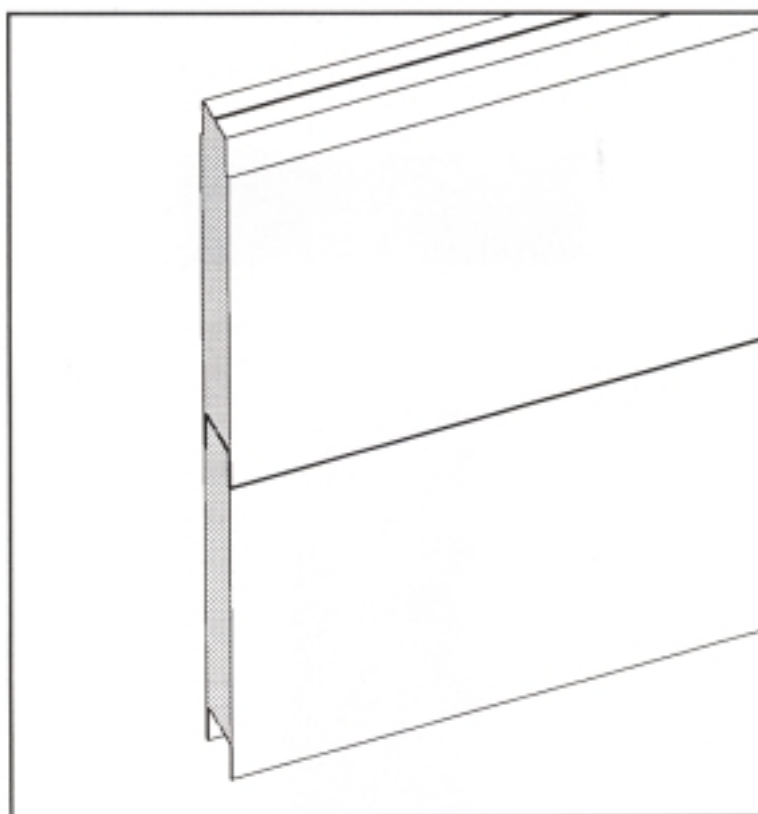
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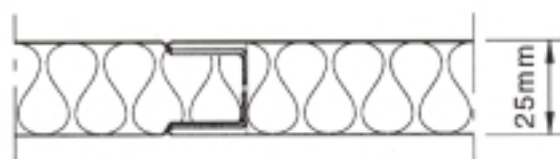


Aabo Akustik

Thin walls



PA30P25



PA33P25

PANEL	PA30P25	PA33P25	
Thickness :	25 mm	25 mm	
Weight :	14,7 kg/sq.m	16,7 kg/sq.m	
Surface finish/	PVC, galv, painted/ 1180 mm	PVC, galv, painted/ 1180 mm	
Modular width :	2 x Primed/ 575, 1200 mm	2 x Primed/ 575, 1200 mm	
Fire class :	Incombustible	Incombustible	
Coefficient of thermal			
Conductance :	1,44 W/sq.m C	1,44 W/sq.m C	

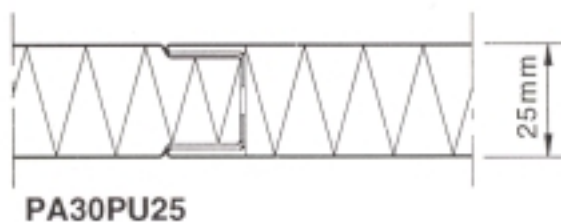
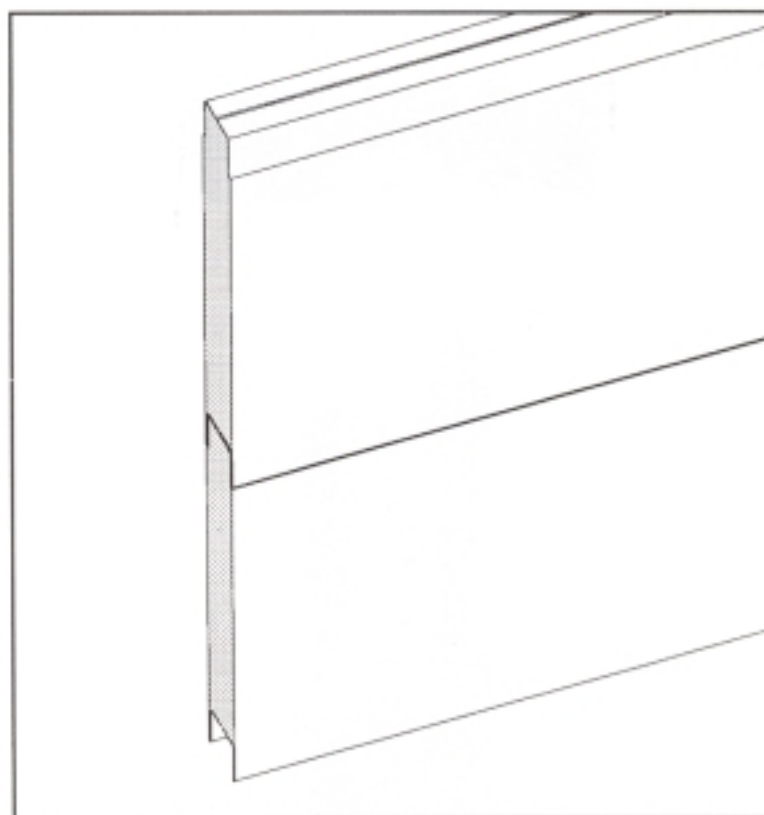
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 170 kg/m ± 10%	Surface finish/ : Primed, PVC , Galv.
Thickness : +0/-1 mm		Thickness : / 0,5 mm (PA30P25)
		/ 0,7 mm (PA33P25)
		Painted / 0,6 mm (both types)

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PANEL	PA30PU25		
Thickness :	25 mm		
Weight :	9,4 kg/sq.m		
Surface finish/			
Modular width :	575, 1200 mm		
Coefficient of thermal			
Conductance :	1,18 W/sq.m C		

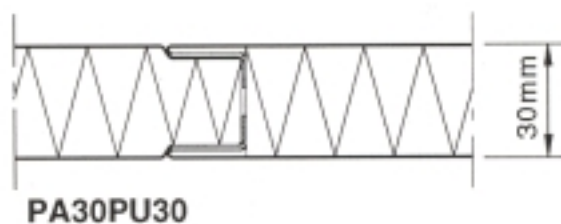
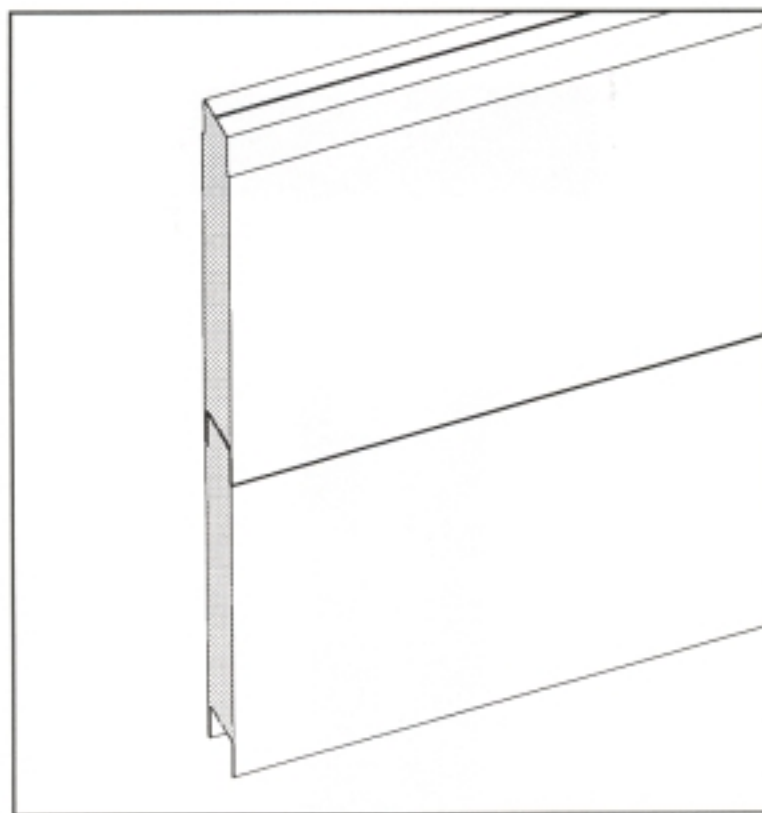
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : EPS	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	(Expanded polystyrene)	Surface finish/: Primed, PVC / 0.5 mm
Thickness : +0/-1 mm	Density : ~20 kg/cu.m	Thickness Painted / 0,6 mm

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PANEL	PA30PU30		
Thickness :	30 mm		
Weight :	9,3 kg/sq.m		
Surface finish/ Modular width :	Primer, Painted / 1200 mm		
Coefficient of thermal Conductance :	0,97 W/sq.m C		

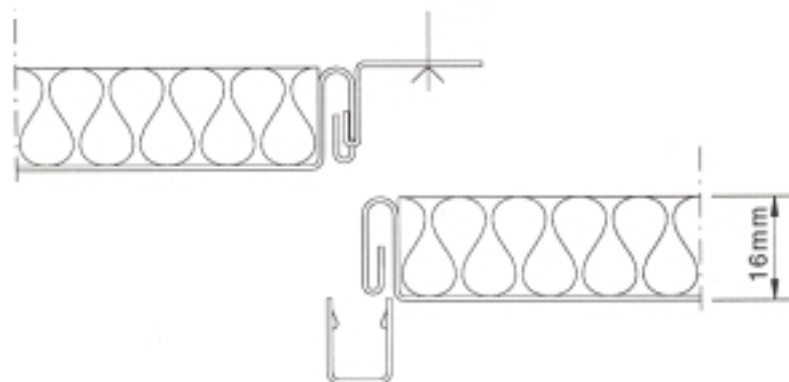
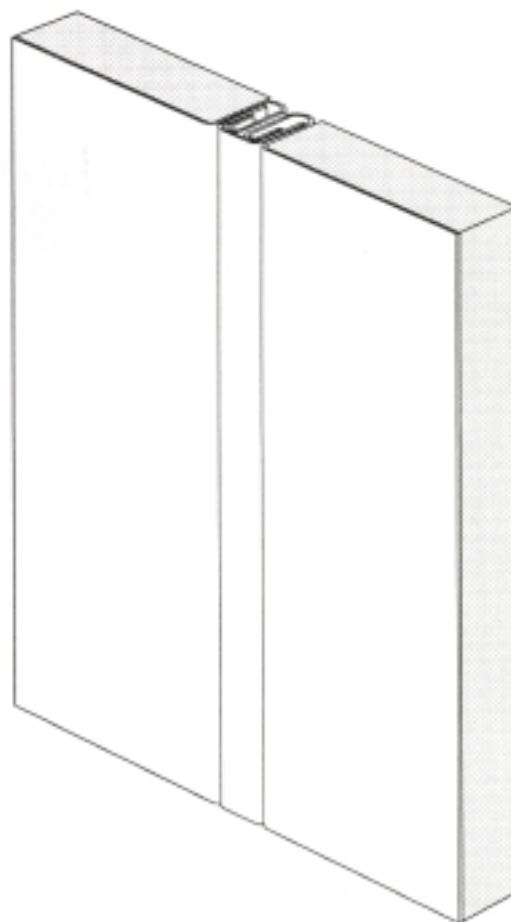
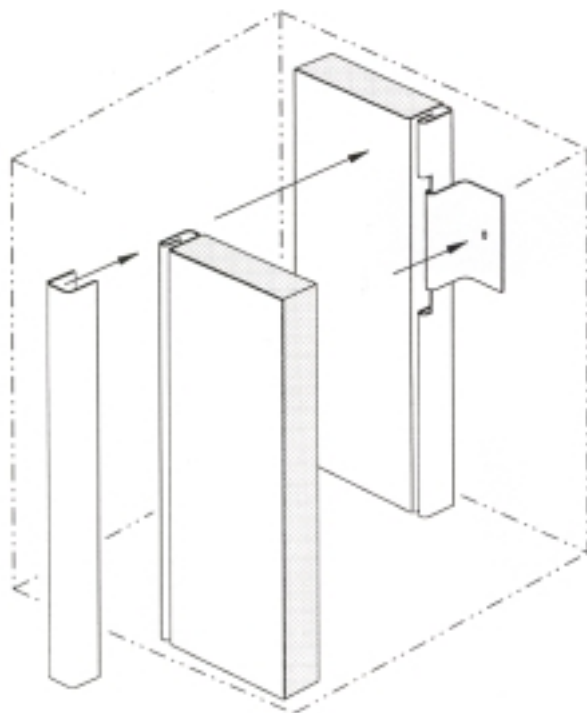
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : EPS	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	(Expanded polystyrene)	Surface finish/:
Thickness : +0/-1 mm	Density : ~20 kg/cu.m	Thickness : Primer, Painted / 0.5 mm

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PANEL	PADEC16		
Thickness :	16 mm		
Weight :	8,3 kg/sq.m		
Surface finish/	Painted / 565 mm		
Modular width :	PVC / 600 mm		
Fire class :	Incombustible		

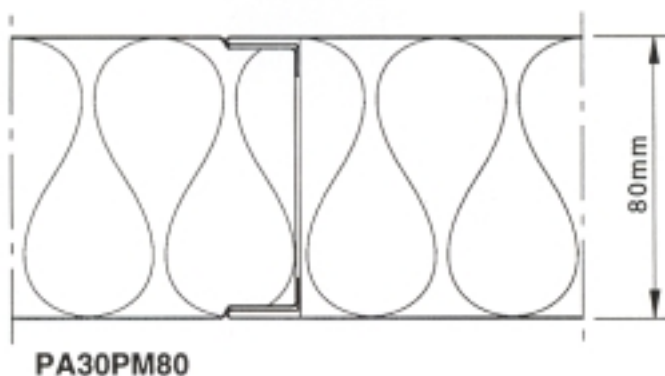
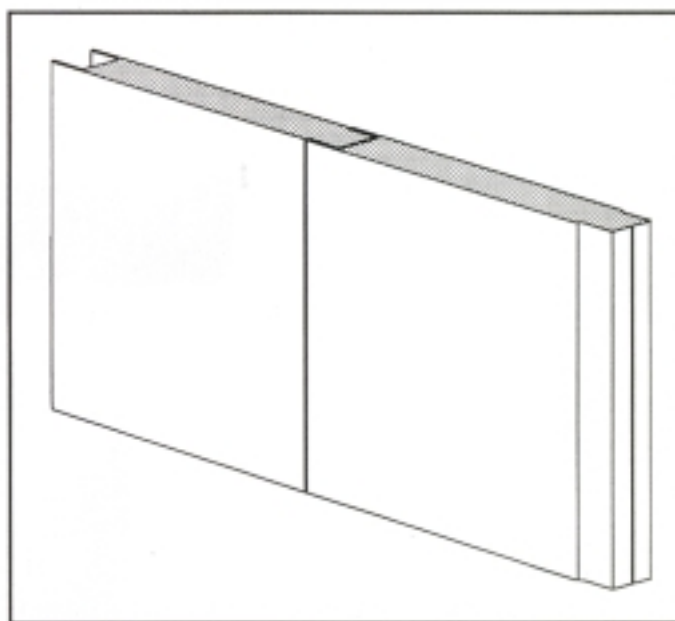
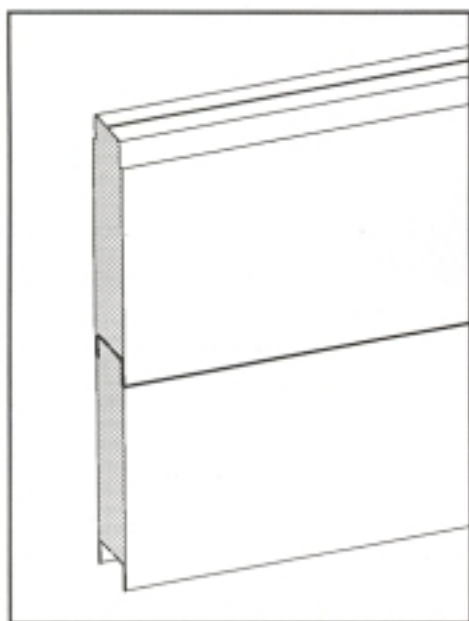
TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 125 kg/cu.m ± 10%	Surface finish/: Painted / 0,6 mm
Thickness : ± 1 mm		Thickness PVC / 0,7 mm

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The technical information given in this publication was accurate in time for the publication. We will reserve us for changes which depends on our forth going product development. Latest available technical information regarding products will be given on request.

PANEL	PA30PM80		
Thickness :	80 mm		
Weight :	17,6 kg/sq.m		
Surface finish/	Painted / 555, 1180 mm		
Modular width :	PVC, Galv./ 590, 1180 mm		
Fire class :	Incombustible		
Coefficient of			
Thermal conductance	0,48 W/sq.m C		

TOLERANCES	CORE MATERIAL	SURFACE MATERIAL
Length : ± 5 mm	Material : Mineral wool	Material : Hot dipped galvanised steel sheet
Width : ± 1 mm	Density : 85 kg/cu.m ± 10%	Surface finish/: PVC, Galv / 0,5 mm
Thickness : + 0 / - 1 mm		Thickness : Painted / 0,6 mm

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DETAILS INTERIOR WALL

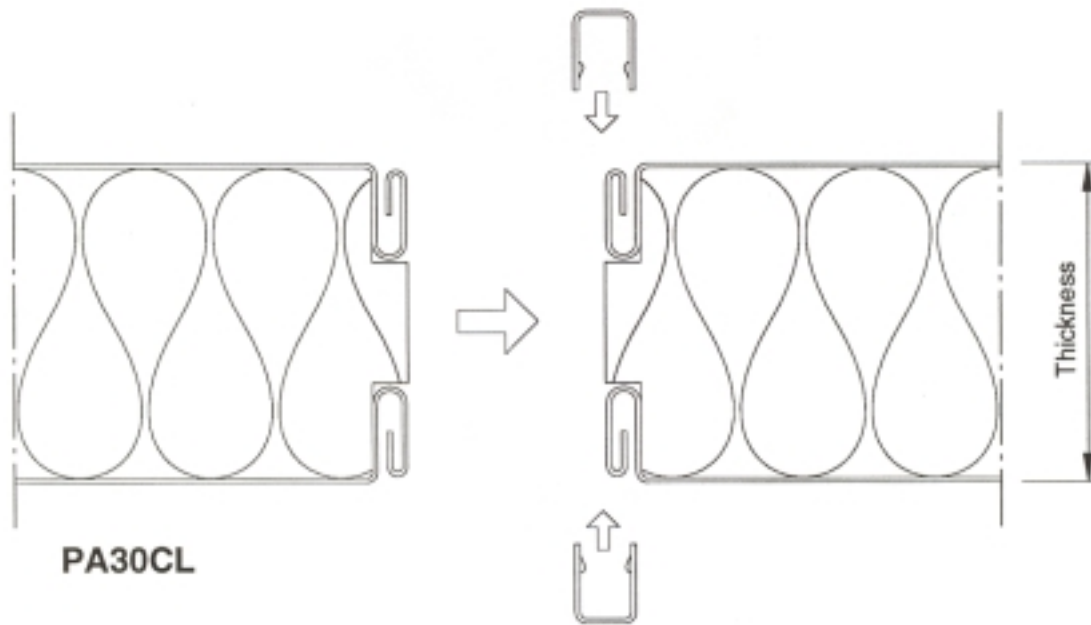
**AABO AKUSTIK FLEXIBLE
WALL SYSTEM**



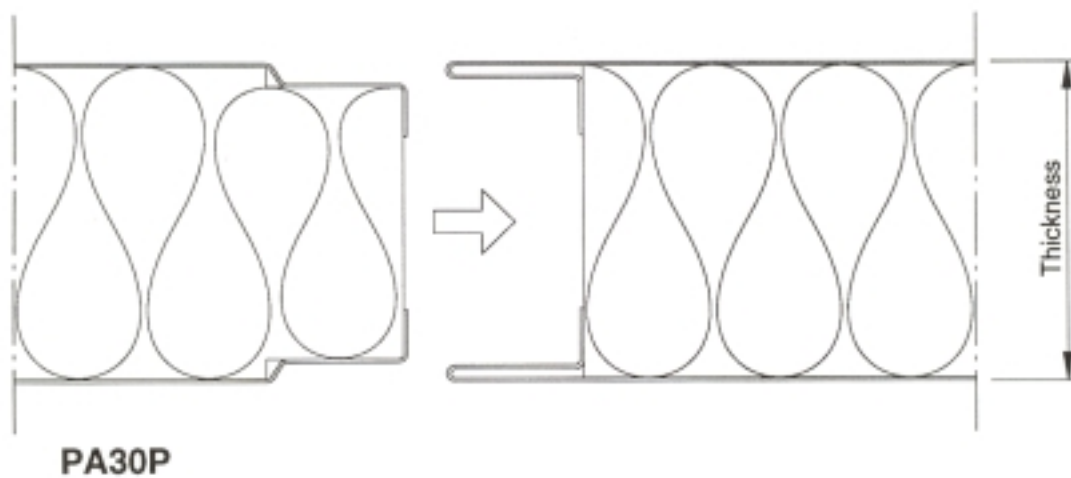
Aabo Akustik

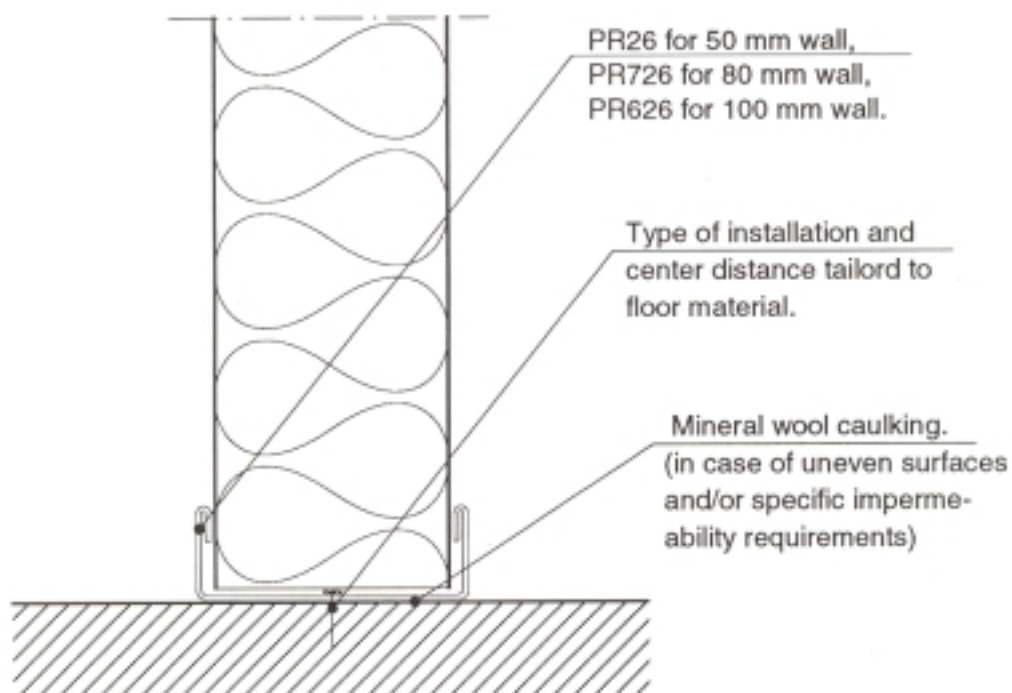
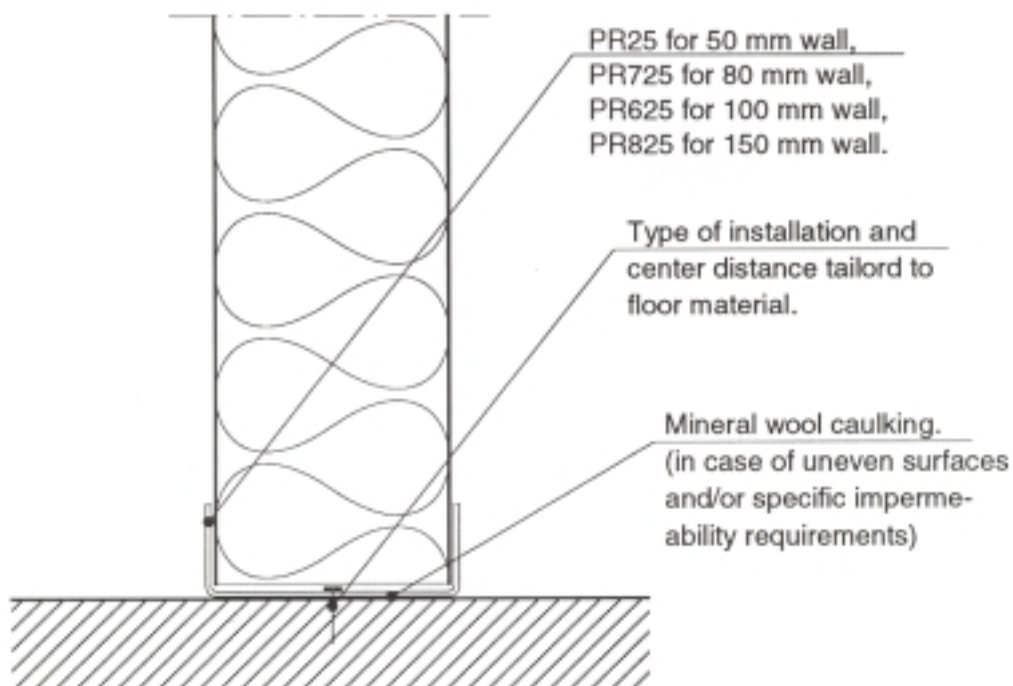
Connecting joints	1
Floor connections	2
Ceiling connections	3
Wall connections	4
Corner connections	5
High walls	6
Miscellaneous	7

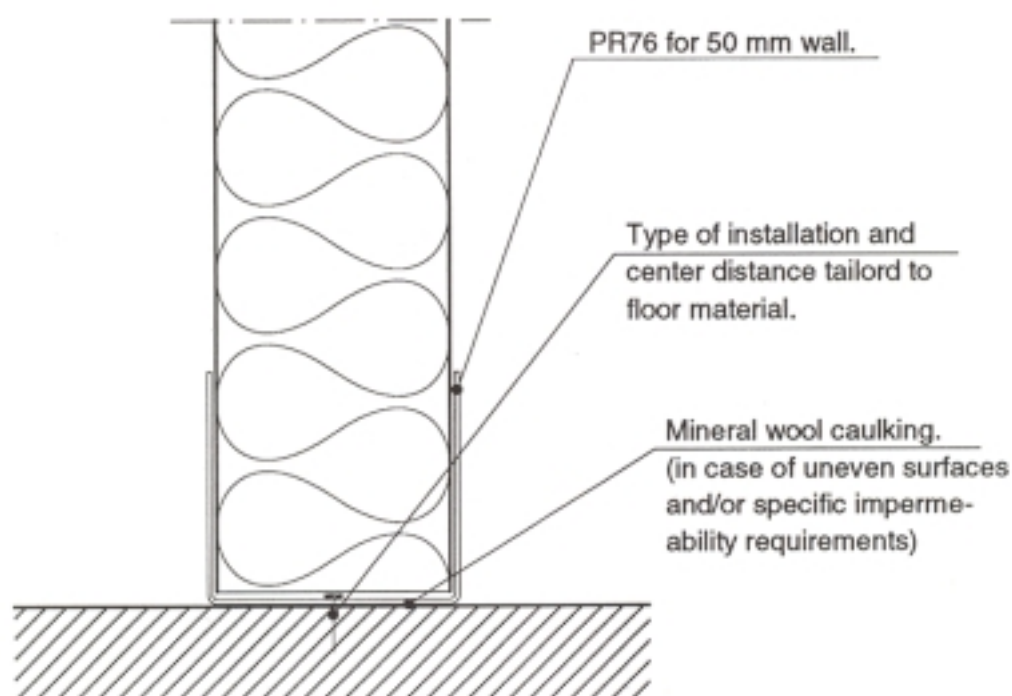
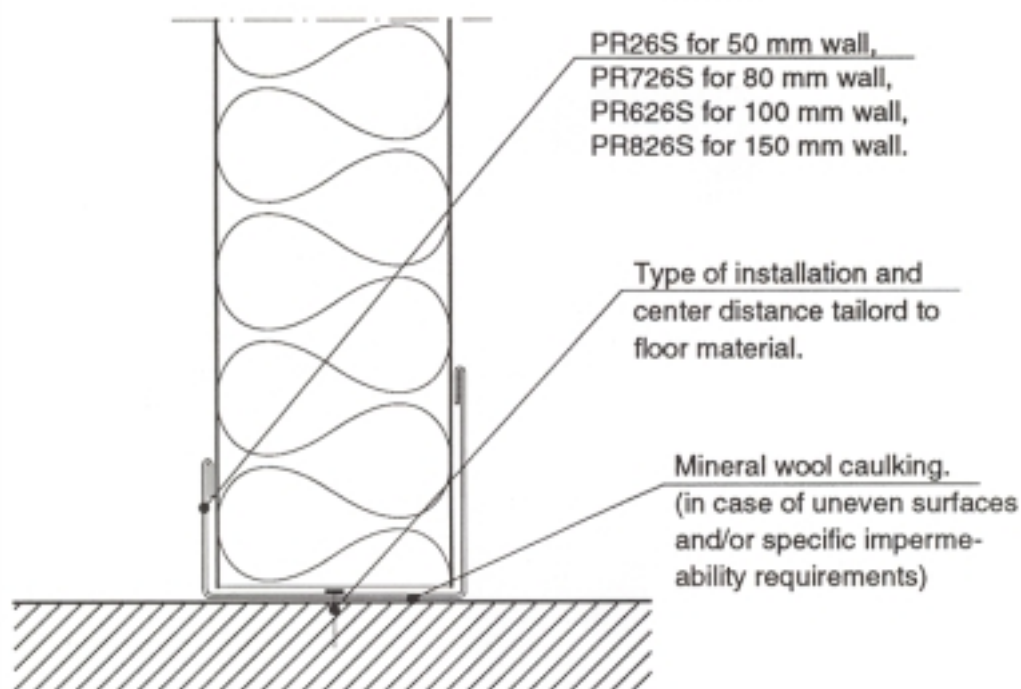
C-joint panel.

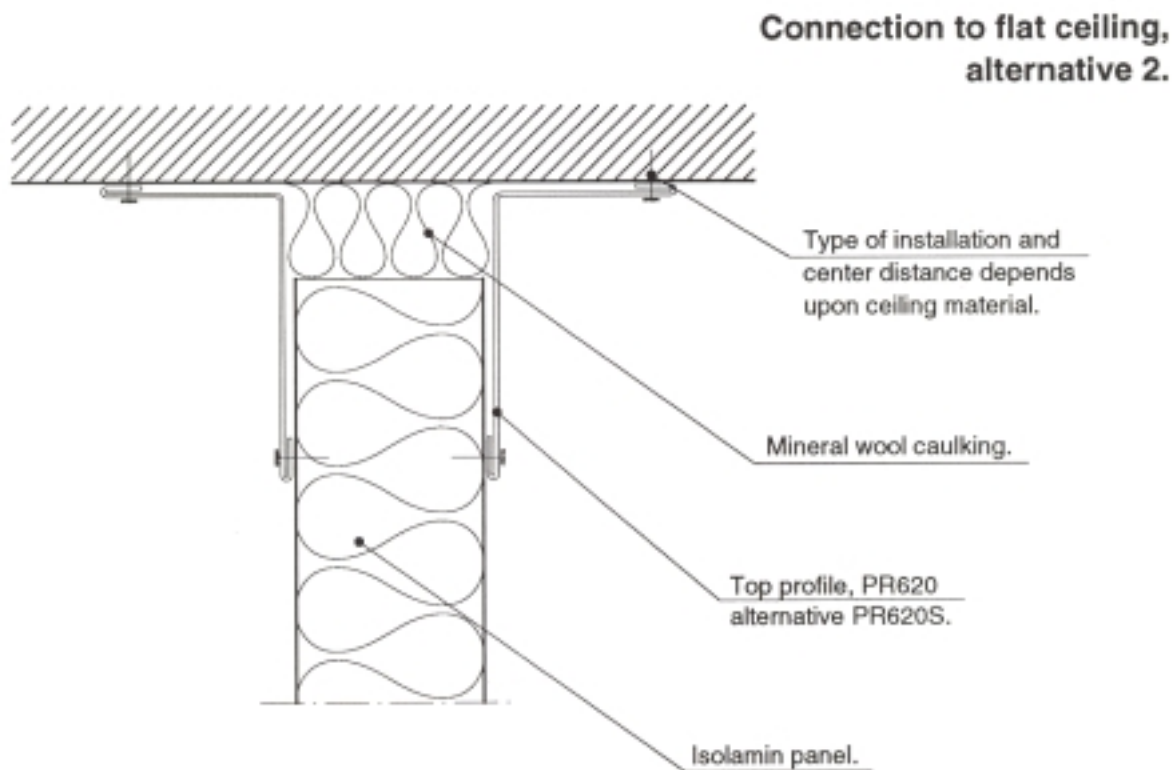
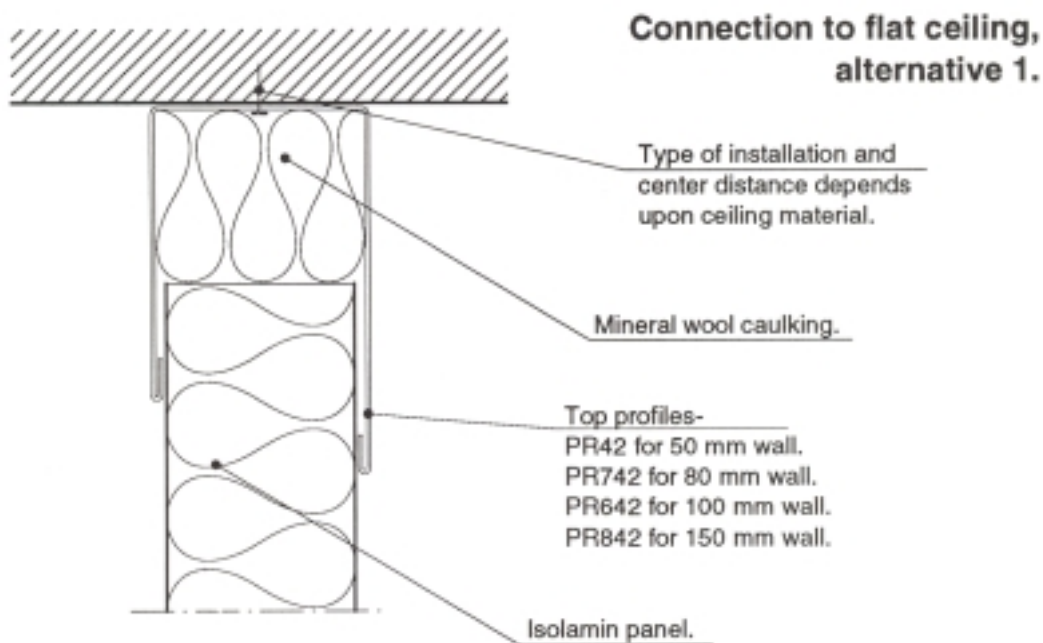


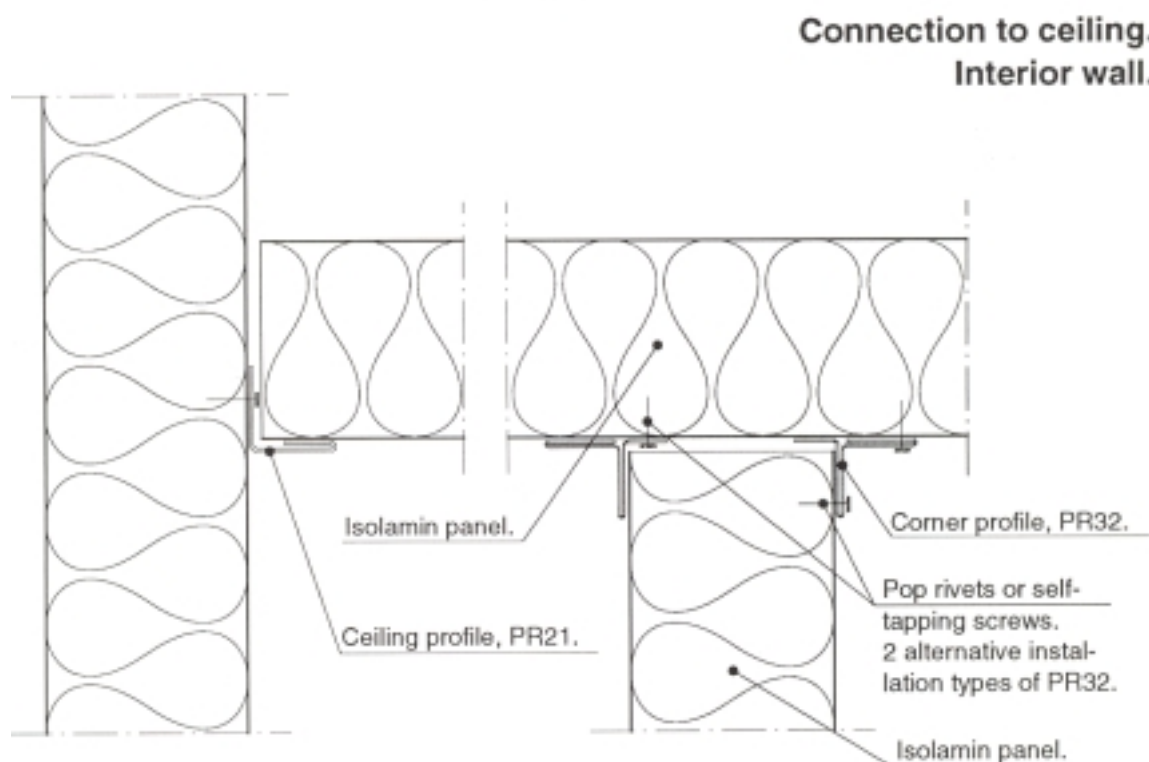
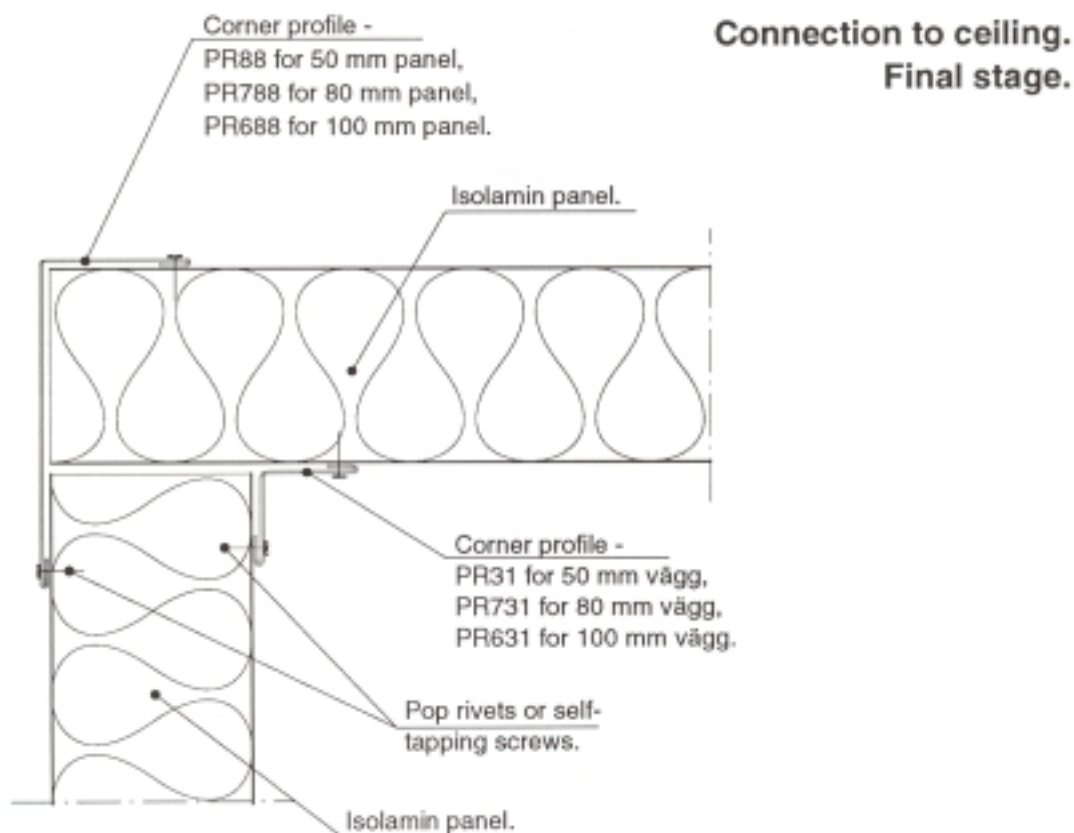
P-joint Panel, vertical installation.



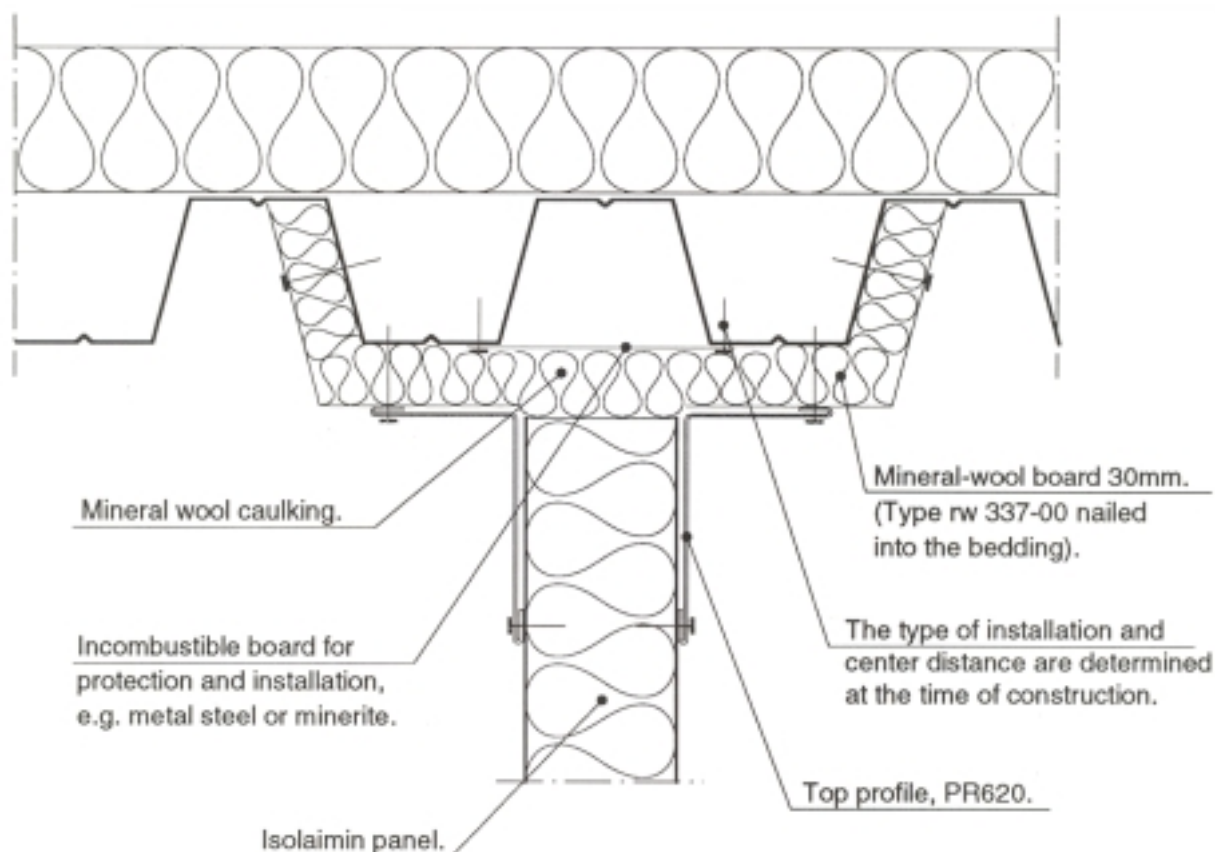






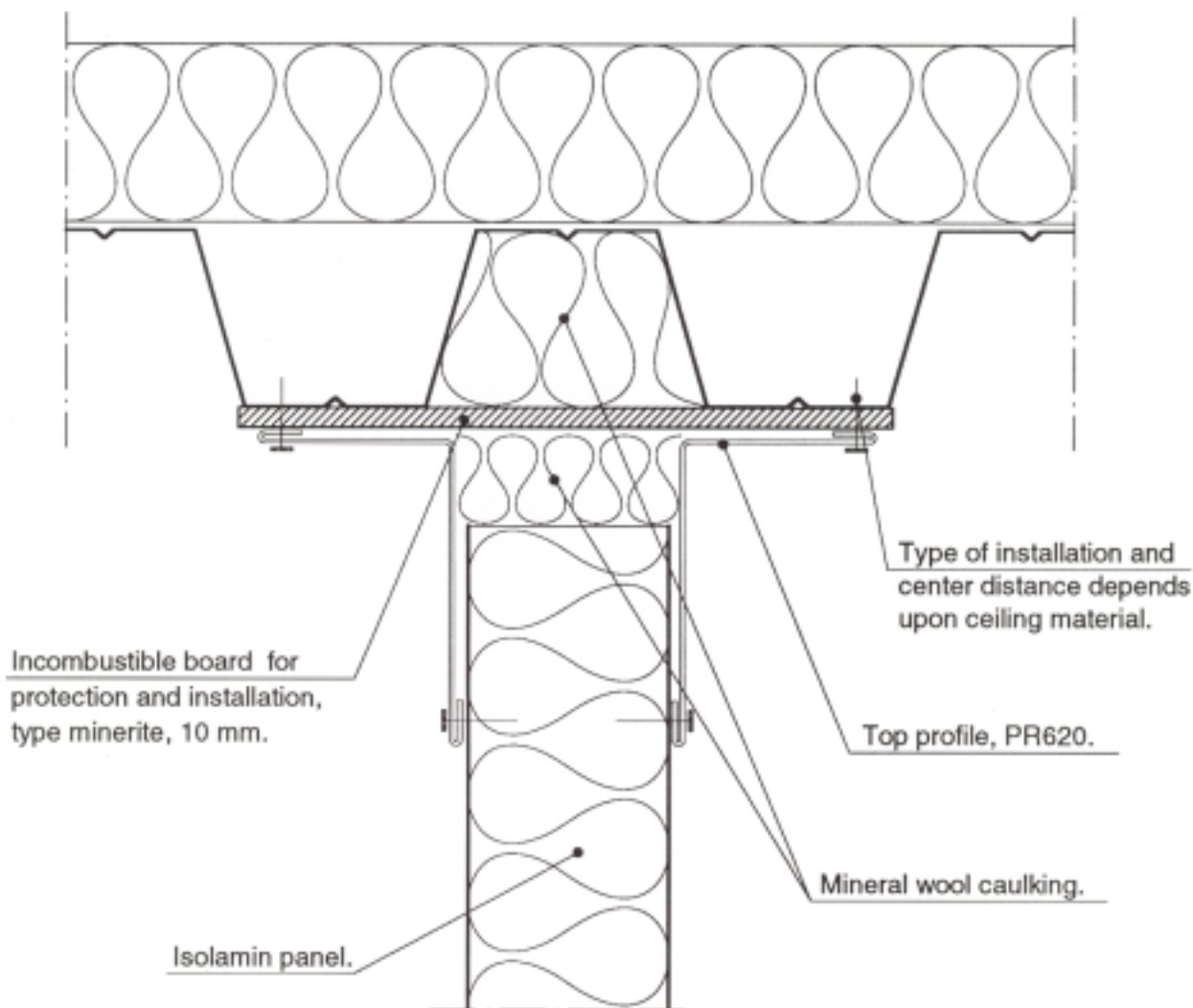


Connection to low-profile steel ceiling. Parallel profiling, alternative 1.



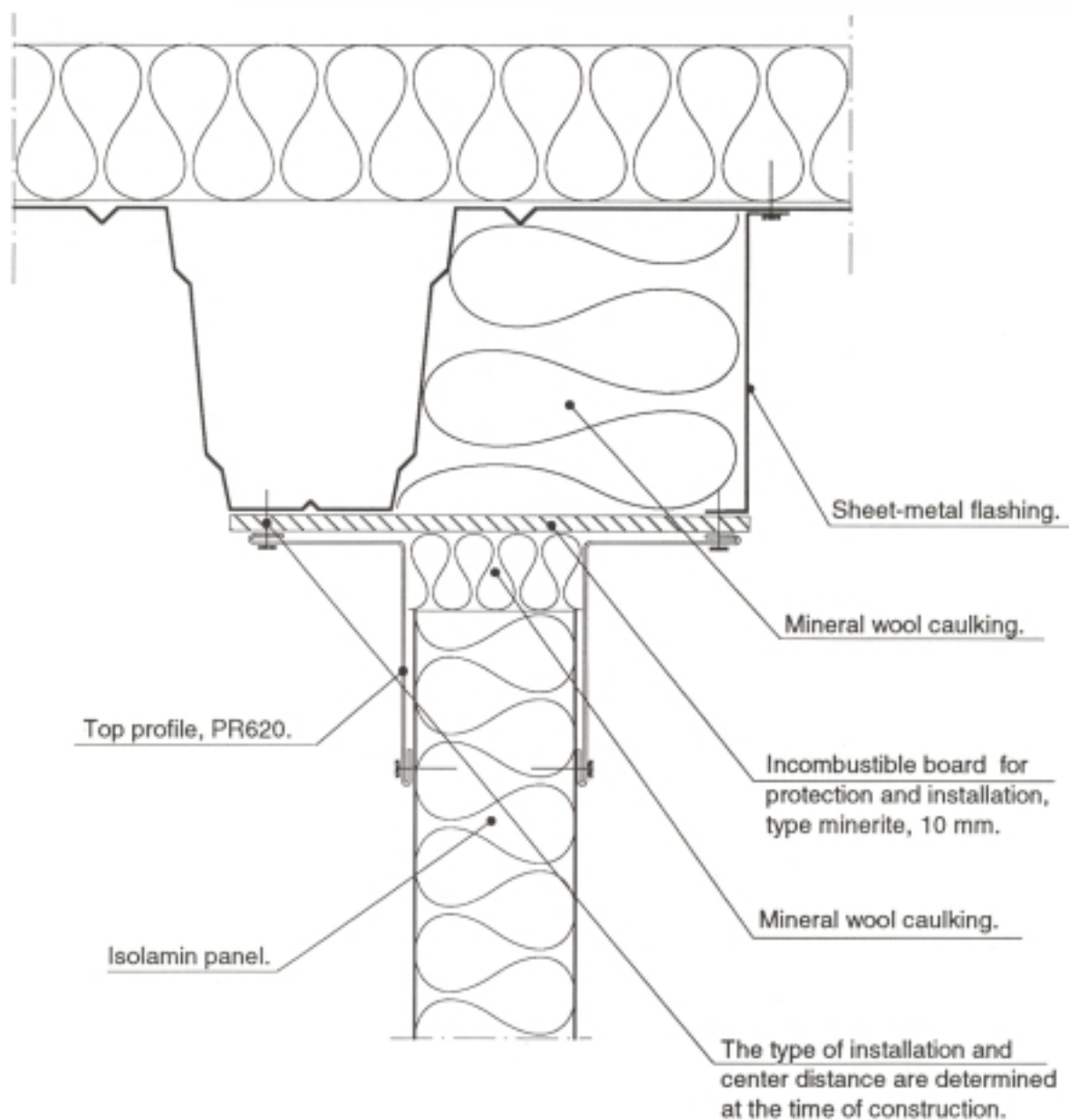
N.B. When mounted against a ceiling that has a greater deflection at the time of installation, profiles with longer shanks should be used.

Connection to low-profile steel ceiling. Parallel profiling, alternative 1.



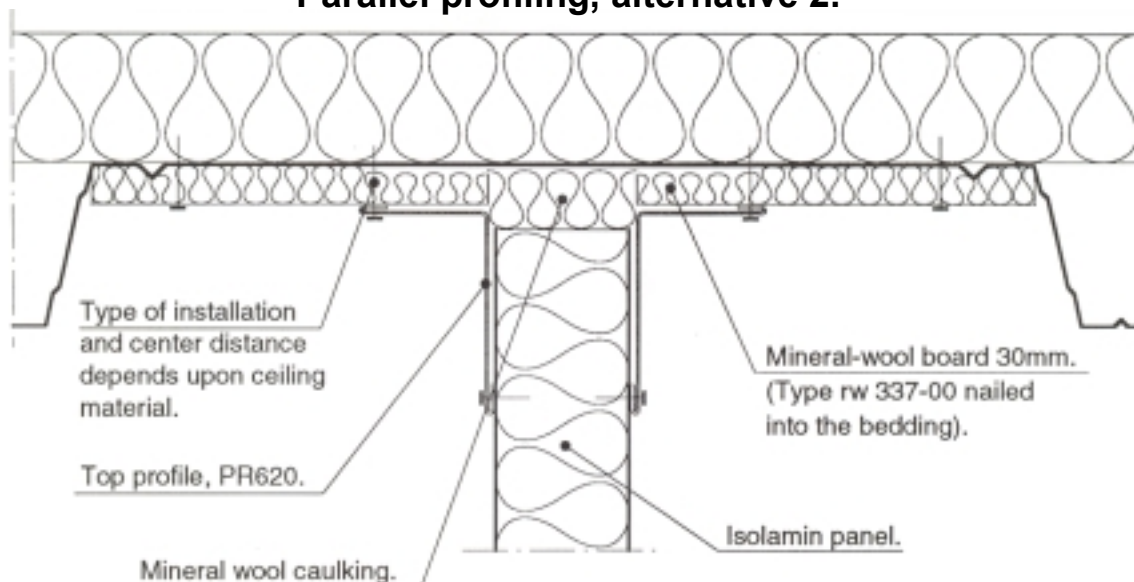
N.B. When mounted against a ceiling that has a greater deflection at the time of installation, profiles with longer shanks should be used.

**Connection to high-profile steel ceiling.
Parallel profiling, alternative 1.**

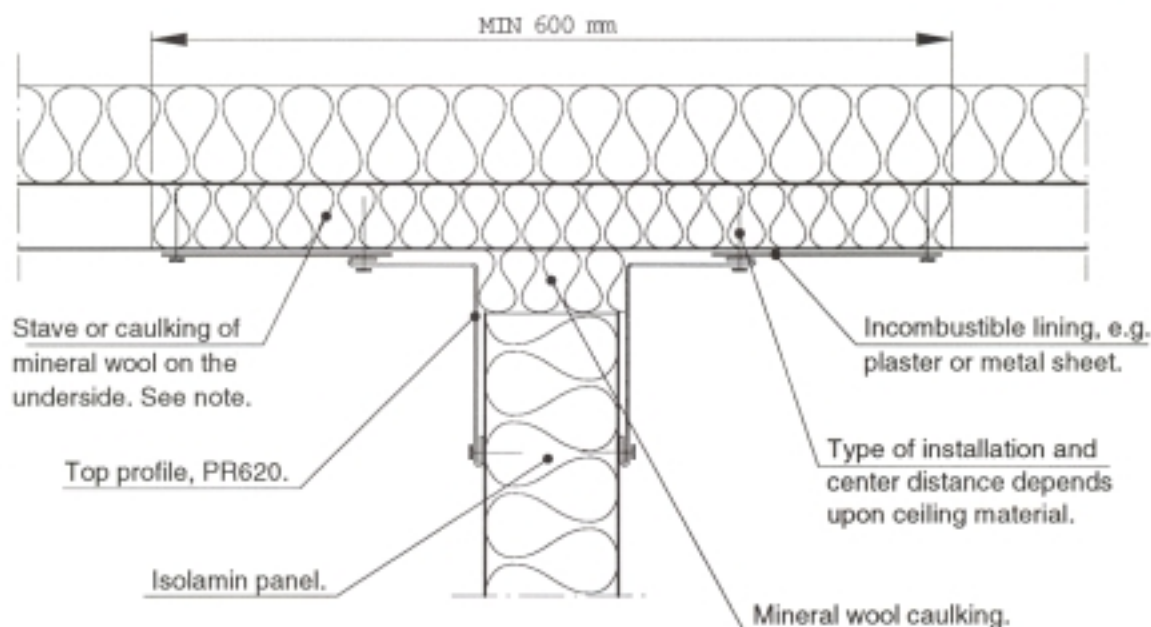


N.B. When mounted against a ceiling that has a greater deflection at the time of installation, profiles with longer shanks should be used.

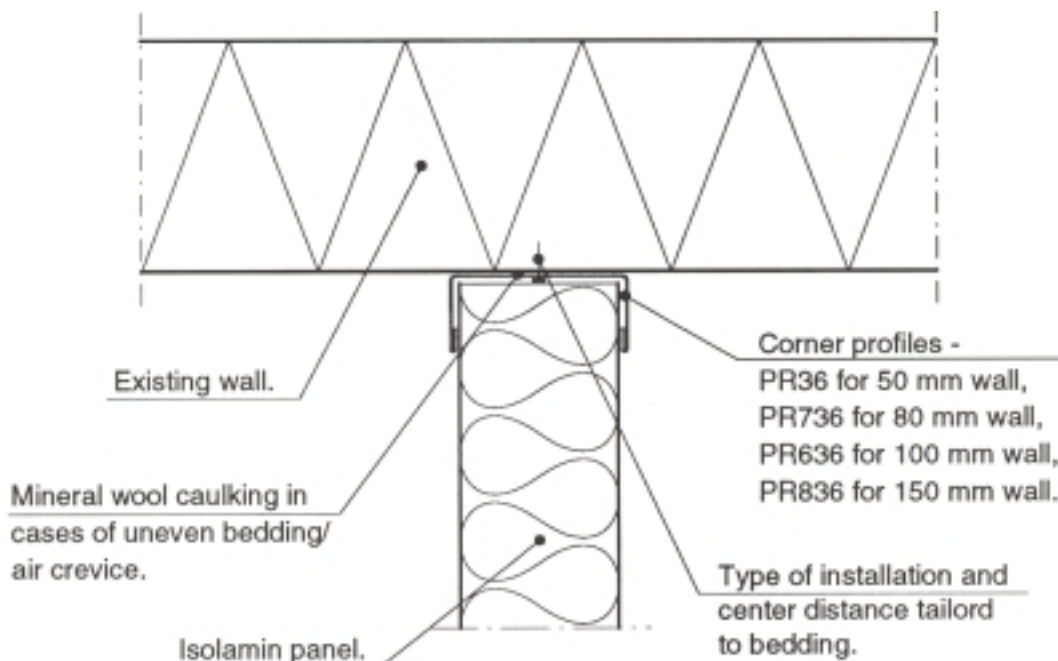
Connection to high-profile steel ceiling. Parallel profiling, alternative 2.



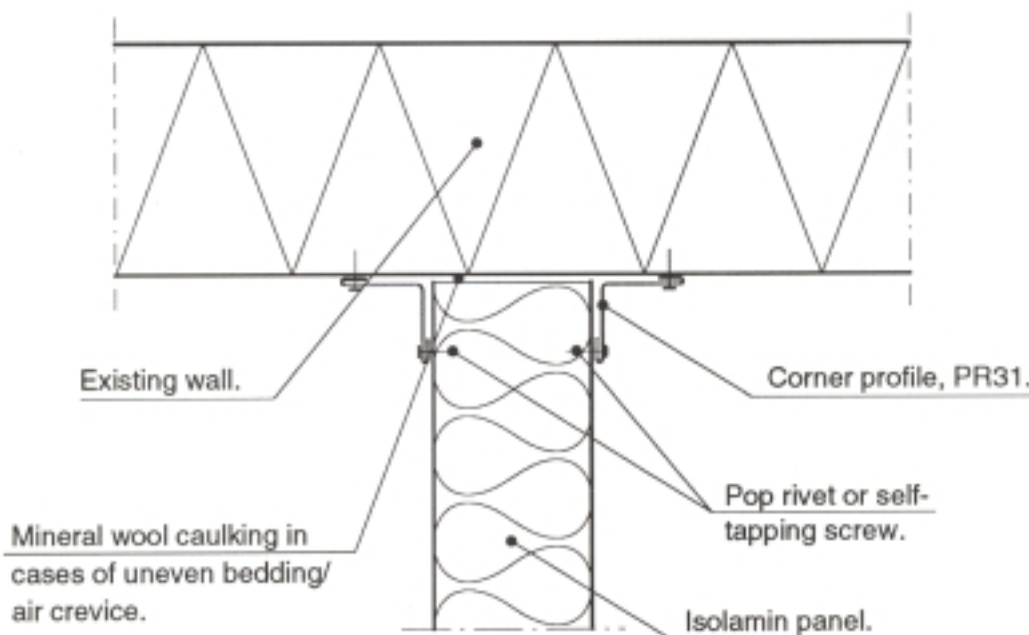
Connection to profiled steel ceiling. Right-angled profiling.



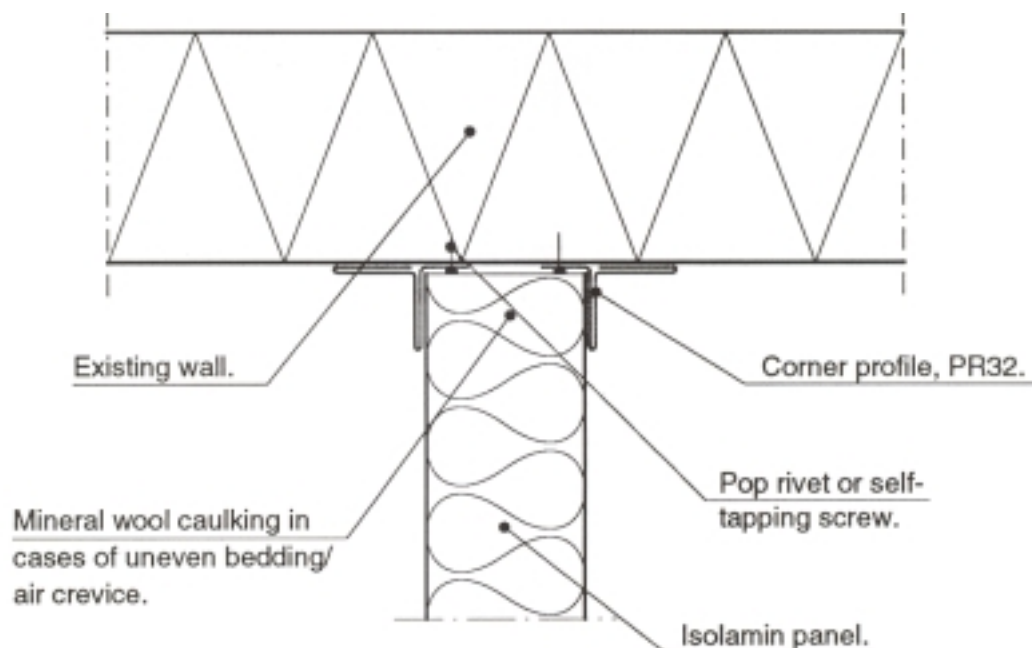
N.B. When mounted against a ceiling that has a greater deflection at the time of installation, profiles with longer shanks should be used.



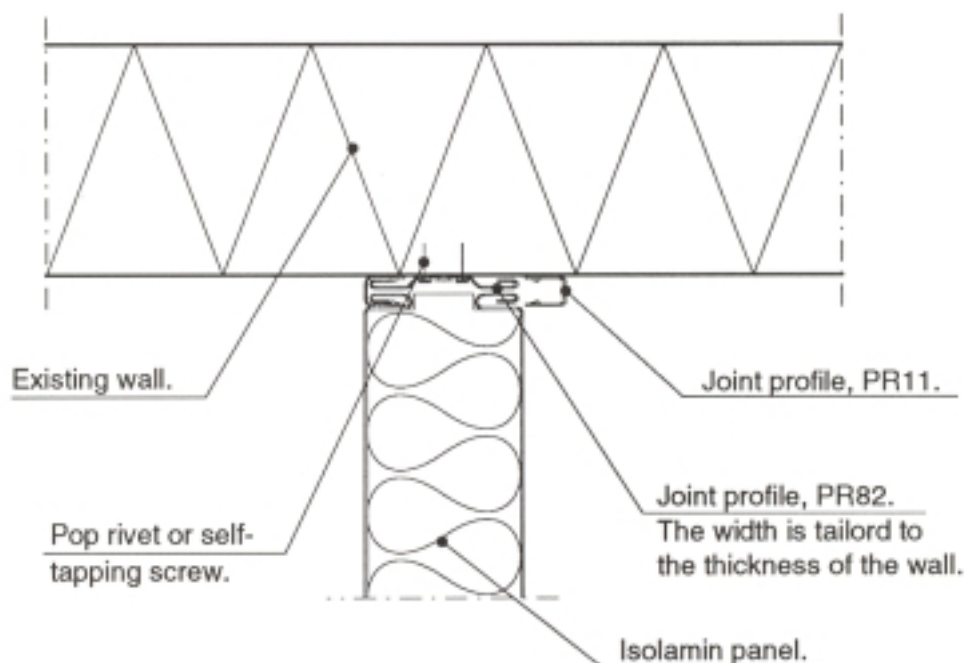
Hidden installation



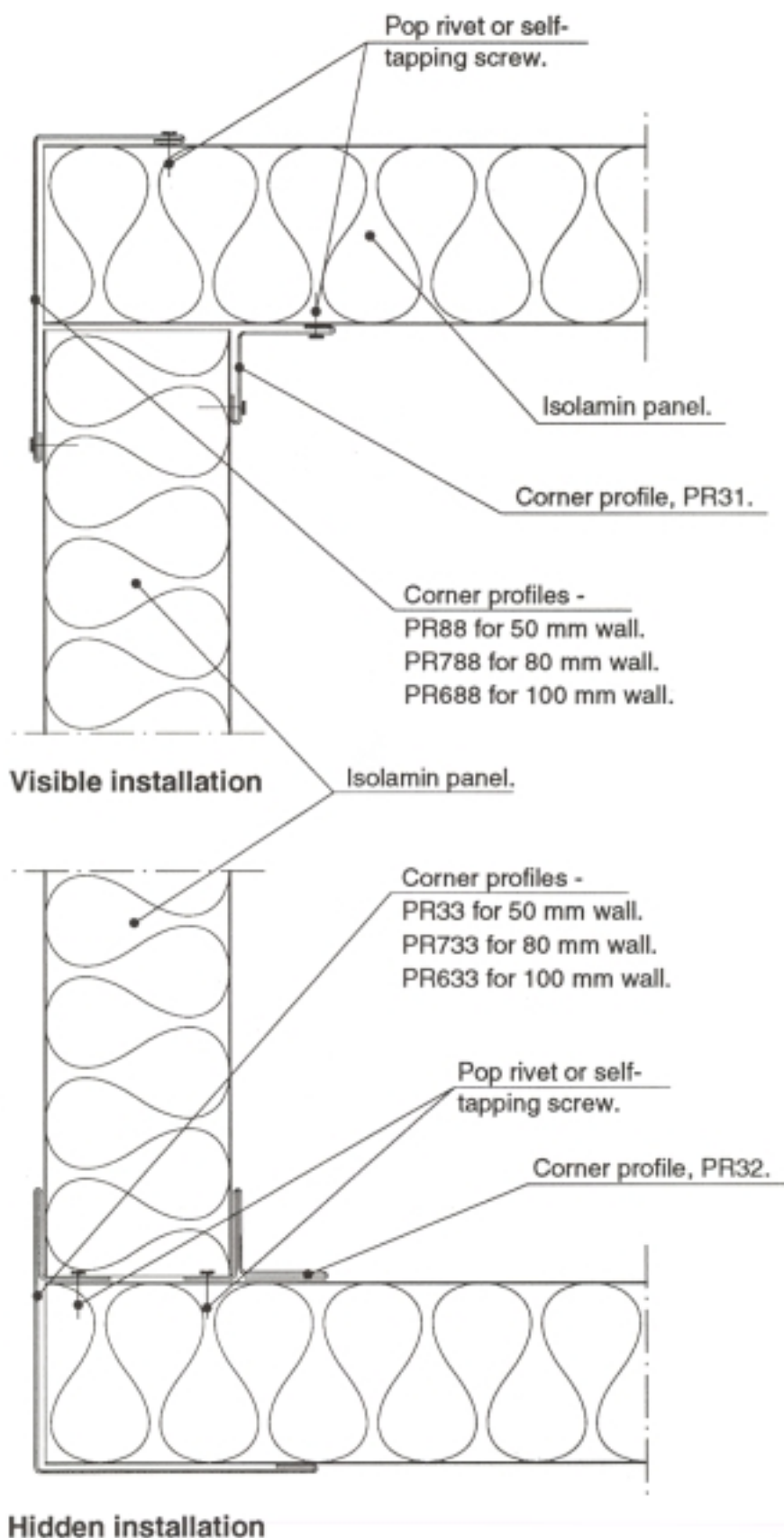
Visible installation.

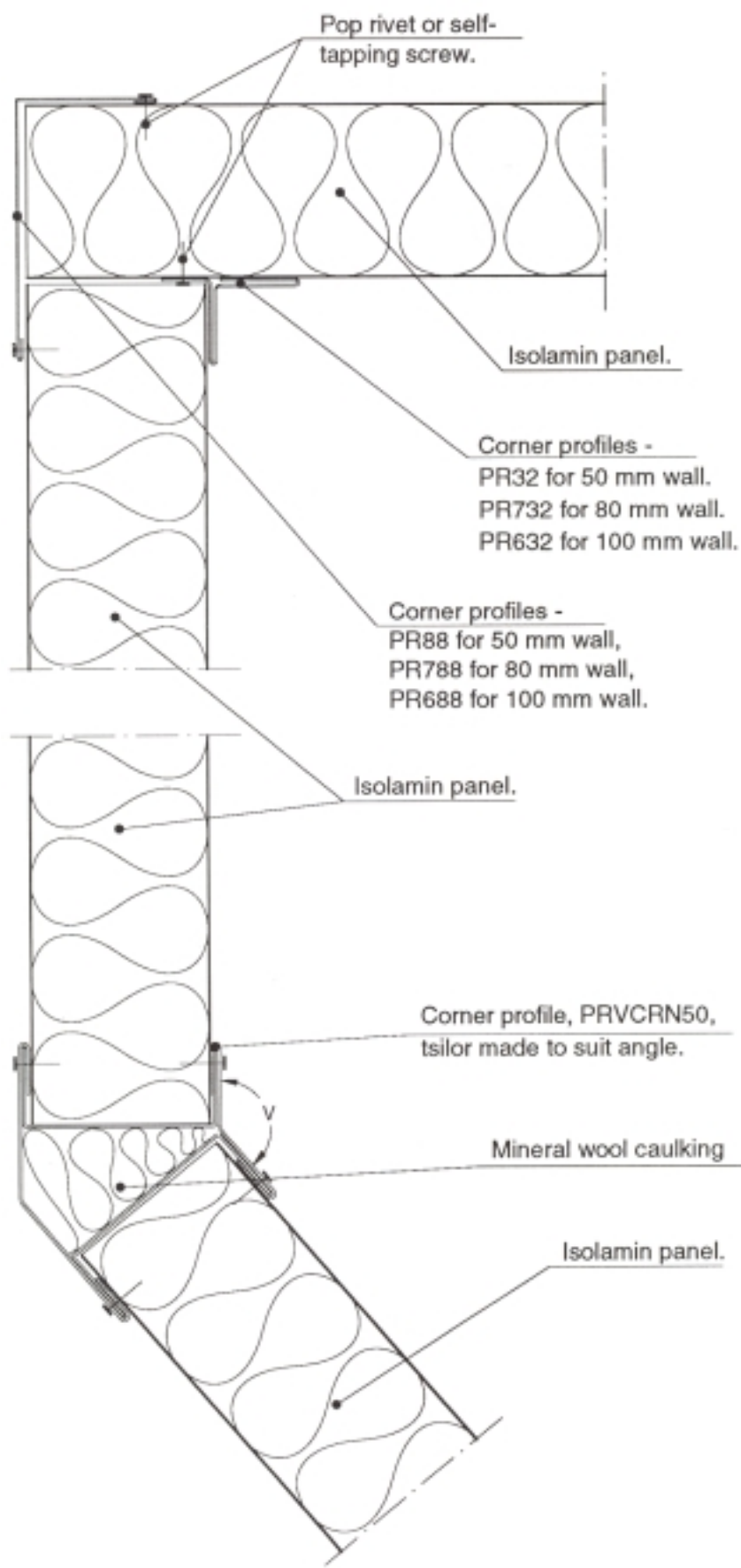


Hidden installation.



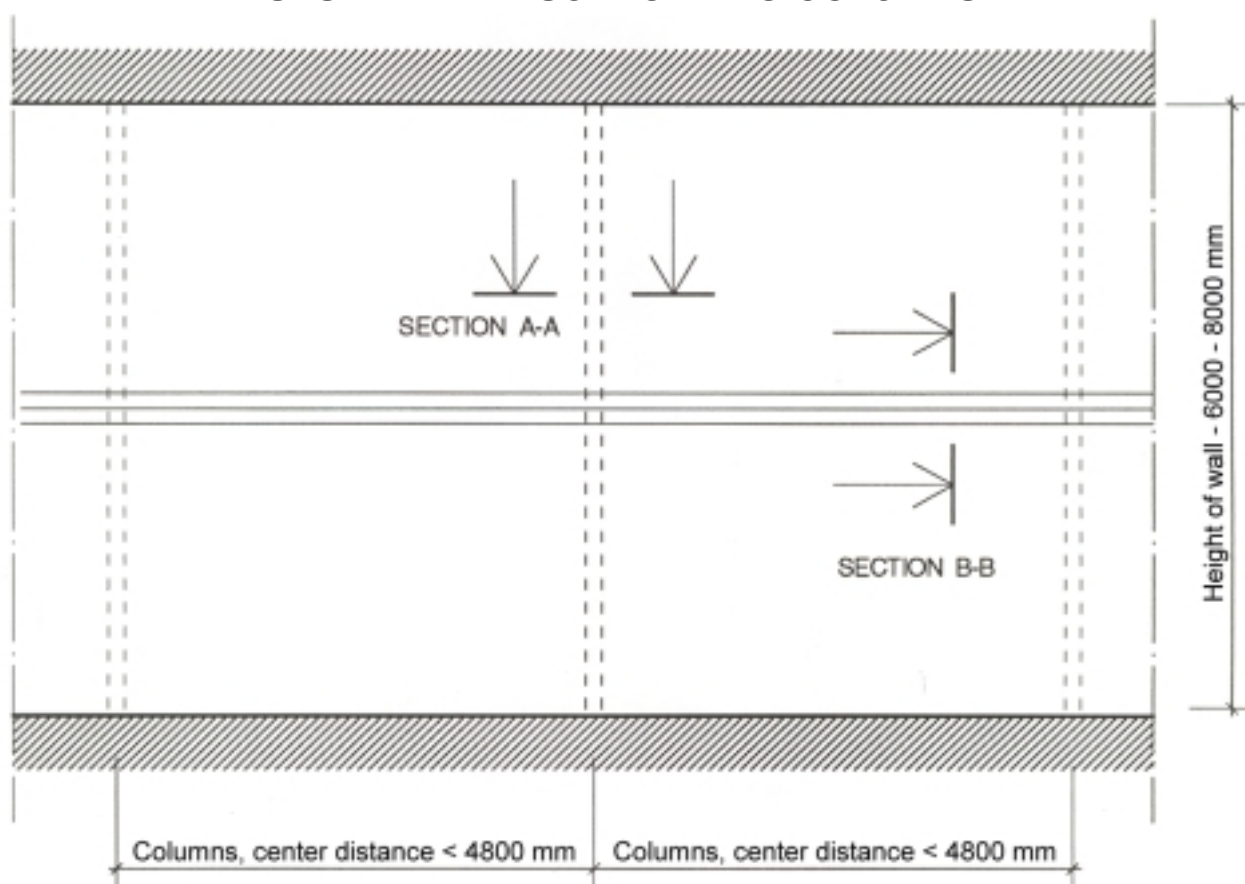
Flush hidden installation.



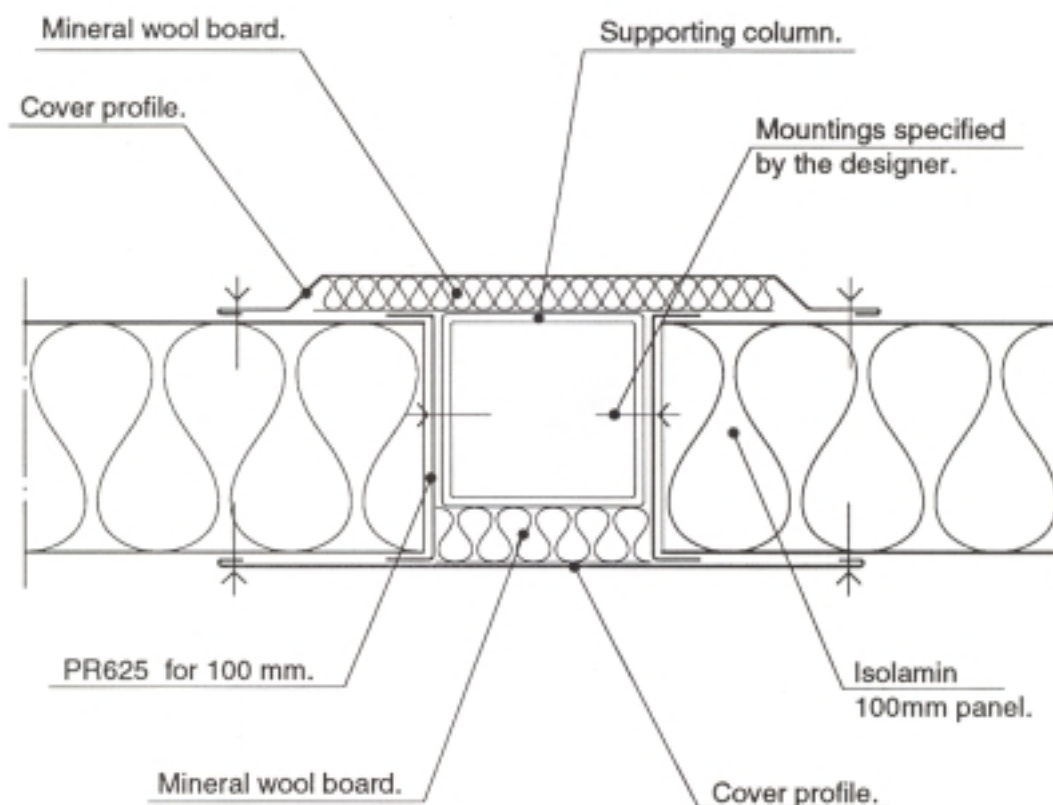


High wall with 100 mm panel.

WALL SYSTEM WITH SUPPORTING COLUMNS



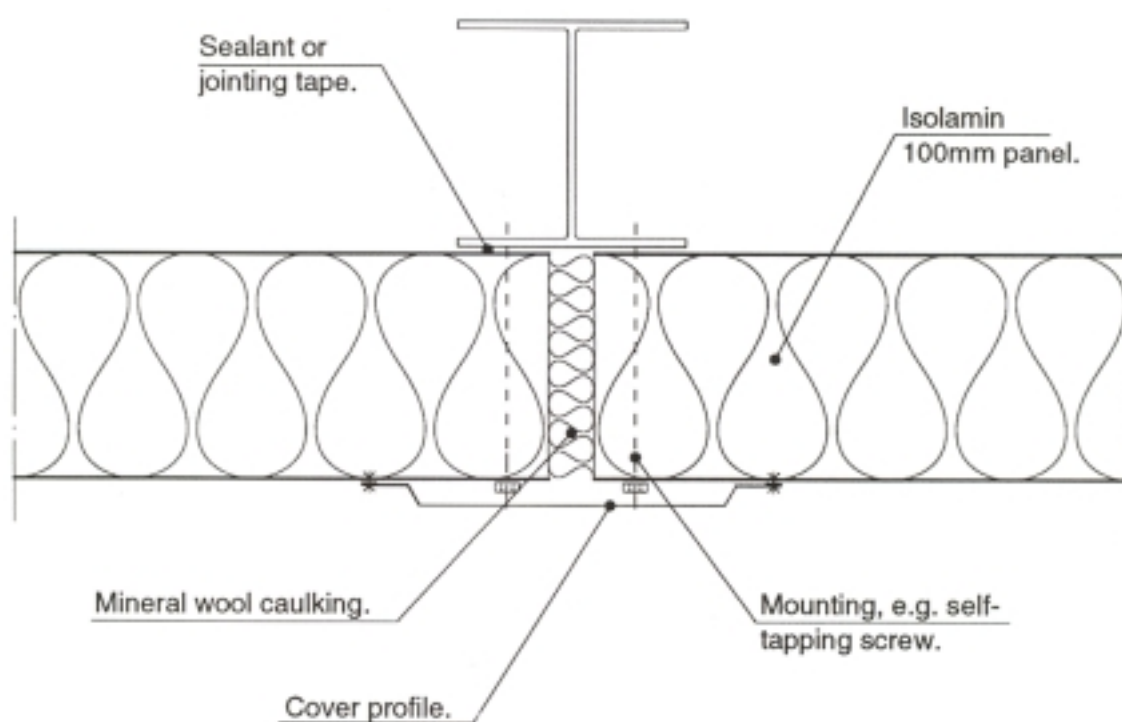
Vertical wall joint close to supporting column, alternative 1.



SECTION A-A

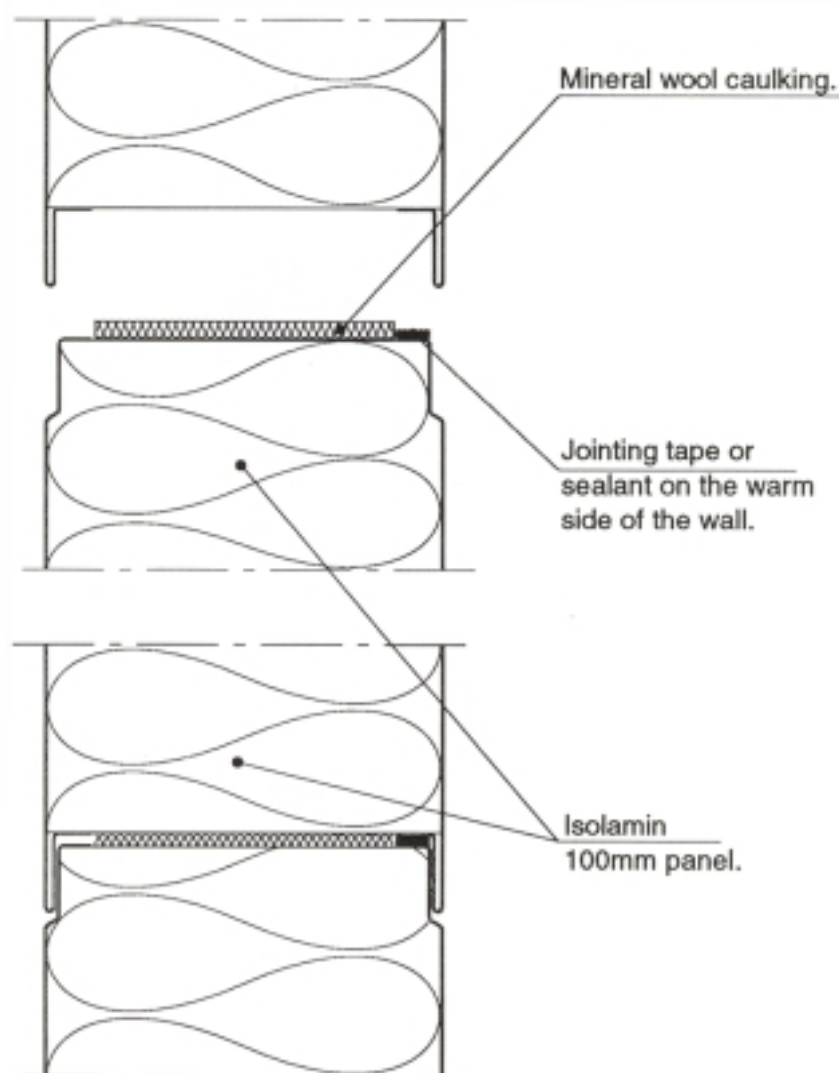
Wall height	Dimension of column
6000	80x80x3,6
7000	120x80x5 el. 100x100x4
8000	160x80x5 el. 100X100X5

**Vertical wall joint close to
supporting column,
alternative 1.**



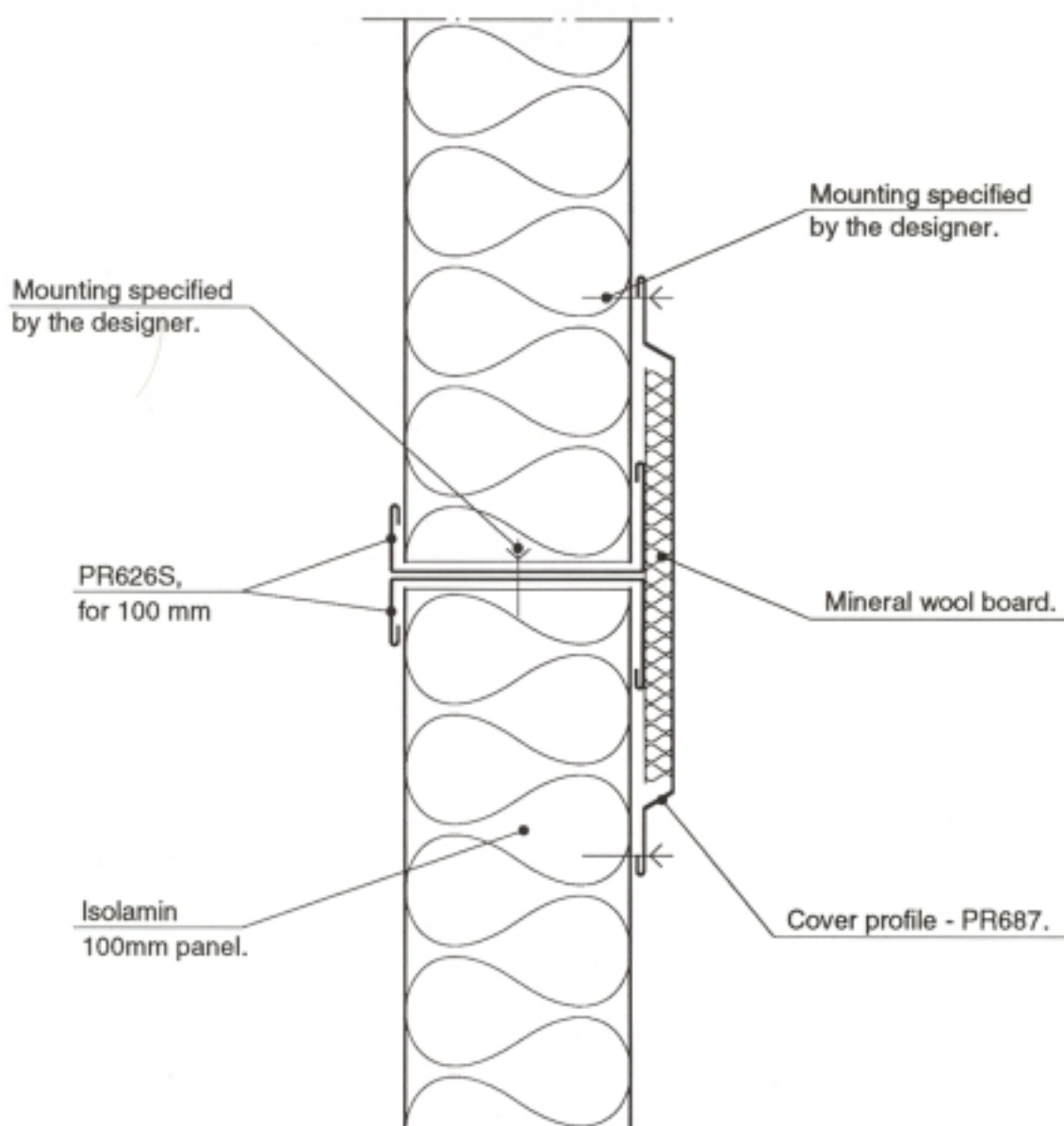
Section A – A

**Horizontal wall joint,
Alternative 1, P-joint.**



Section B – B

Horizontal wall joint, Alternative 2, C-joint.



N.B. Mineral wool boards and cover profiles may be replaced by insulating board, e.g. Permatex