

GypWall

A highly versatile metal stud partition system



SpecSure®
GYPROC SYSTEMS GUARANTEE

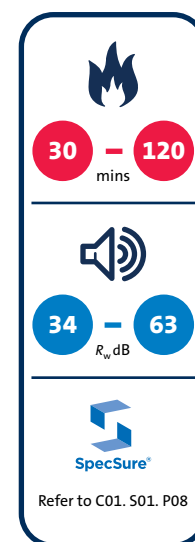


GypWall

GypWall is the industry's original lightweight non-loadbearing drywall partition system, providing cost-effective, multi-purpose solutions suitable for all types of buildings.

Key benefits

- Wide range of performances achievable through a combination of interchangeable Gyproc plasterboards, Gypframe metal, Gyproc finish plasters and Isover insulation
- Optimised acoustic performance for a given footprint through the use of Gypframe AcouStuds
- Quick to install compared to masonry or timber frame alternatives and allows transformation of building layouts with minimal disruption
- Non-hygroscopic Gypframe metal framework will not twist, warp or rot
- Easy accommodation of services within the stud cavity due to pre-cut service holes within the Gypframe metal studs



You may also be interested in...

GypWall **ROBUST**

Need a higher Duty Rating to BS 5234? GypWall **ROBUST** provides Severe Duty Rating with a single layer of board.

► Refer to C04. S03. P157.

ShaftWall

Where access is limited to one side only, for example risers, lift shafts, corridors and stair cores, ShaftWall provides the answer.

► Refer to C05. S02. P291.

GypWall performance

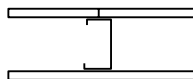
48mm Gypframe 'C' Studs - single layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



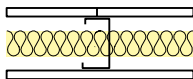
Table 1a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①



One layer of board each side of 48mm Gypframe 'C' Studs at 600mm centres. Linings as in table.

②



One layer of board each side of 48mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance (EN)										
①	75	Gyproc WallBoard	1 x 12.5	2500	34	-	Medium	18	A206001	-
①	75	Glasroc H TILEBACKER	1 x 12.5	2500	34	-	Medium	22	H206001	-
①	75	Gyproc SoundBloc	1 x 12.5	2500	37	-	Medium	22	A206152	-
②	75	Gyproc WallBoard	1 x 12.5	2500	40	-	Medium	18	A206033	-
②	75	Glasroc H TILEBACKER	1 x 12.5	2500	40	-	Medium	22	H206033	-
②	75	Gyproc SoundBloc	1 x 12.5	2500	43	-	Medium	22	A206184	-
①	80	Gyproc WallBoard	1 x 15	2800	36	-	Medium	22	A206002	-
①	80	Gyproc SoundBloc	1 x 15	2800	39	-	Medium	26	A206153	-
②	80	Gyproc WallBoard	1 x 15	2800	42	-	Medium	22	A206034	-
②	80	Gyproc SoundBloc	1 x 15	2800	44	45	Medium	26	A206185	A206185S
60 minutes fire resistance (EN)										
①	75	Glasroc F MULTIBOARD	1 x 12.5	2500	36	-	Severe	25	G106010	-
①	80	Gyproc FireLine	1 x 15	2800	36	-	Heavy	24	A206066	-
②	80	Gyproc FireLine	1 x 15	2800	42	-	Heavy	24	A206098	-

► For further assistance in choosing the right solution for your project, try our System Selector; an online tool that enables quick and easy filtering by performance criteria. It provides system specific information downloads including BIM (Revit) objects. Go to gyproc.ie

¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

GypWall performance (continued)

48mm Gypframe 'C' Studs - single layer board linings

For details of when
to specify fire
resistance using BS
► Refer to C02. S01. P18



Table 1b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		One layer of board each side of 48mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		One layer of board each side of 48mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 48mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation R _w dB		Duty rating	Approx. weight kg/m ²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance BS										
1	70	Glasroc F MULTIBOARD	1 x 10	2500	35	-	Heavy	20	G106006	-
1	75	Gyproc WallBoard	1 x 12.5	2500	34	-	Medium	18	A206001	-
1	75	Glasroc H TILEBACKER	1 x 12.5	2500	34	-	Medium	22	H206001	-
1	75	Gyproc SoundBloc	1 x 12.5	2500	37	-	Medium	22	A206152	-
2	75	Gyproc WallBoard	1 x 12.5	2500	40	-	Medium	18	A206033	-
2	75	Glasroc H TILEBACKER	1 x 12.5	2500	40	-	Medium	22	H206033	-
2	75	Gyproc SoundBloc	1 x 12.5	2500	43	-	Medium	22	A206184	-
1	80	Gyproc WallBoard	1 x 15	2800	36	-	Medium	22	A206002	-
1	80	Gyproc SoundBloc	1 x 15	2800	39	-	Medium	26	A206153	-
2	80	Gyproc WallBoard	1 x 15	2800	42	-	Medium	22	A206034	-
2	80	Gyproc SoundBloc	1 x 15	2800	44	45	Medium	26	A206185	A206185S
60 minutes fire resistance BS										
3	70	Glasroc F MULTIBOARD	1 x 10	2500	43	-	Heavy	20	G106008	-
1	75	Glasroc F MULTIBOARD	1 x 12.5	2500	36	-	Severe	25	G106010	-
1	80	Gyproc FireLine	1 x 15	2800	36	-	Heavy	24	A206066	-
2	80	Gyproc FireLine	1 x 15	2800	42	-	Heavy	24	A206098	-

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

GypWall performance (continued)

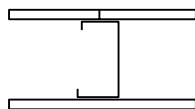
70mm Gypframe 'C' Studs - single layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



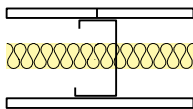
Table 2a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①



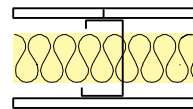
One layer of board each side of 70mm Gypframe 'C' Studs at 600mm centres. Linings as in table.

②



One layer of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

③



One layer of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance (EN)										
①	97	Gyproc WallBoard	1 x 12.5	3600	36	-	Medium	18	A206013	-
①	97	Glasroc H TILEBACKER	1 x 12.5	3600	36	-	Medium	22	H206013	-
①	97	Gyproc SoundBloc	1 x 12.5	3600	40	-	Medium	22	A206164	-
②	97	Gyproc WallBoard	1 x 12.5	3600	42	-	Medium	18	A206045	-
②	97	Glasroc H TILEBACKER	1 x 12.5	3600	42	-	Medium	22	H206045	-
③	97	Gyproc WallBoard	1 x 12.5	3600	43	-	Medium	19	A206138	-
③	97	Glasroc H TILEBACKER	1 x 12.5	3600	43	-	Medium	23	H206138	-
②	97	Gyproc SoundBloc	1 x 12.5	3600	45	-	Medium	22	A206196	-
③	97	Gyproc SoundBloc	1 x 12.5	3600	47	-	Medium	22	A206228	-
①	102	Gyproc WallBoard	1 x 15	3800	38	39	Medium	22	A206014	A206014S
①	102	Gyproc SoundBloc	1 x 15	3800	42	-	Heavy	26	A206165	-
②	102	Gyproc WallBoard	1 x 15	3800	43	44	Medium	22	A206046	A206046S
③	102	Gyproc WallBoard	1 x 15	3800	44	45	Medium	22	A206139	A206139S
②	102	Gyproc SoundBloc	1 x 15	3800	47	48	Heavy	26	A206197	A206197S
60 minutes fire resistance (EN)										
①	102	Gyproc FireLine	1 x 15	3800	37	-	Heavy	24	A206078	-
②	102	Gyproc FireLine	1 x 15	3800	43	44	Heavy	24	A206110	A206110S
③	102	Gyproc FireLine	1 x 15	3800	44	45	Heavy	24	A206141	A206141S

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¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

GypWall performance (continued)

70mm Gypframe 'C' Studs - single layer board linings

For details of when
to specify fire
resistance using BS
► Refer to C02. S01. P18



Table 2b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		One layer of board each side of 70mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		One layer of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation R_w dB		Duty rating	Approx. weight kg/m²	System reference		
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only	
30 minutes fire resistance (BS)											
①	97	Gyproc WallBoard	1 x 12.5	3600	36	-	Medium	18	A206013	-	
①	97	Glasroc H TILEBACKER	1 x 12.5	3600	36	-	Medium	22	H206013	-	
①	97	Gyproc SoundBloc	1 x 12.5	3600	40	-	Medium	22	A206164	-	
②	97	Gyproc WallBoard	1 x 12.5	3600	42	-	Medium	18	A206045	-	
②	97	Glasroc H TILEBACKER	1 x 12.5	3600	42	-	Medium	22	H206045	-	
③	97	Gyproc WallBoard	1 x 12.5	3600	43	-	Medium	19	A206138	-	
③	97	Glasroc H TILEBACKER	1 x 12.5	3600	43	-	Medium	23	H206138	-	
②	97	Gyproc SoundBloc	1 x 12.5	3600	45	-	Medium	22	A206196	-	
③	97	Gyproc SoundBloc	1 x 12.5	3600	47	-	Medium	22	A206228	-	
①	102	Gyproc WallBoard	1 x 15	3800	38	39	Medium	22	A206014	A206014S	
①	102	Gyproc SoundBloc	1 x 15	3800	42	-	Heavy	26	A206165	-	
②	102	Gyproc WallBoard	1 x 15	3800	43	44	Medium	22	A206046	A206046S	
③	102	Gyproc WallBoard	1 x 15	3800	44	45	Medium	22	A206139	A206139S	
②	102	Gyproc SoundBloc	1 x 15	3800	47	48	Heavy	26	A206197	A206197S	
60 minutes fire resistance (BS)											
①	102	Gyproc FireLine	1 x 15	3800	37	-	Heavy	24	A206078	-	
②	102	Gyproc FireLine	1 x 15	3800	43	44	Heavy	24	A206110	A206110S	
③	102	Gyproc FireLine	1 x 15	3800	44	45	Heavy	24	A206141	A206141S	

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

GypWall performance (continued)

70mm Gypframe AcouStuds - single layer board linings

For details of when
to specify fire
resistance using EN
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Table 3a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. Linings as in table.
②		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 3 x 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance 										
	97	Gyproc SoundBloc	1 x 12.5	3800	41	-	Medium	22	A206A164	-
	97	Gyproc WallBoard	1 x 12.5	3800	44	-	Medium	19	A206A138	-
	97	Gyproc SoundBloc	1 x 12.5	3800	48	-	Medium	22	A206A196	-
	97	Gyproc SoundBloc	1 x 12.5	3800	49	50	Medium	23	A206A228	A206A228S
	102	Gyproc WallBoard	1 x 15	4000	38	39	Medium	22	A206A014	A206A014S
	102	Gyproc SoundBloc	1 x 15	4000	50	51	Heavy	26	A206A252	A206A252S
60 minutes fire resistance 										
	102	Gyproc FireLine	1 x 15	4000	39	40	Heavy	24	A206A078	A206A078S
	102	Gyproc FireLine	1 x 15	4000	43	44	Heavy	24	A206A110	A206A110S
	102	Gyproc FireLine	1 x 15	4000	44	45	Heavy	24	A206A141	A206A141S

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² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

Table 3b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. Linings as in table.
②		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		One layer of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 3 x 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation R_w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance (BS)										
1	97	Gyproc SoundBloc	1 x 12.5	3800	41	-	Medium	22	A206A164	-
3	97	Gyproc WallBoard	1 x 12.5	3800	44	-	Medium	19	A206A138	-
2	97	Gyproc SoundBloc	1 x 12.5	3800	48	-	Medium	22	A206A196	-
3	97	Gyproc SoundBloc	1 x 12.5	3800	49	50	Medium	23	A206A228	A206A228S
4	102	Gyproc SoundBloc	1 x 15	4000	50	51	Heavy	26	A206A252	A206A252S
60 minutes fire resistance (BS)										
1	102	Gyproc FireLine	1 x 15	4000	39	40	Heavy	24	A206A078	A206A078S
2	102	Gyproc FireLine	1 x 15	4000	43	44	Heavy	24	A206A110	A206A110S
3	102	Gyproc FireLine	1 x 15	4000	44	45	Heavy	24	A206A141	A206A141S

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² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

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GypWall performance (continued)

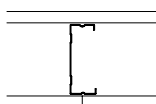
92mm Gypframe 'C' Studs - single layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



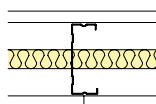
Table 4a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①



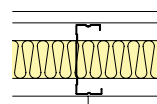
One layer of board each side of 92mm Gypframe 'C'
Studs at 600mm centres. Linings as in table.

②



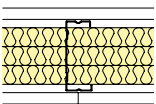
One layer of board each side of 92mm Gypframe 'C'
Studs at 600mm centres. 25mm
Isover Acoustic Roll in the cavity. Linings as in table.

③



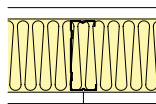
One layer of board each side of 92mm Gypframe 'C'
Studs at 600mm centres. 50mm
Isover Acoustic Roll in the cavity. Linings as in table.

④



One layer of board each side of 92mm Gypframe 'C'
Studs at 600mm centres. 3 x 25mm Isover Acoustic
Roll in the cavity. Linings as in table.

⑤



One layer of board each side of 92mm
Gypframe 'C' Studs at 600mm centres. 100mm
Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any finish ²	Skim only ³			Any finish ²	Skim only ³
30 minutes fire resistance 										
	119	Gyproc SoundBloc	1 x 12.5	4000	50	51	Medium	23	A206232	A206232S
	124	Gyproc SoundBloc	1 x 15	4000	44	45	Heavy	27	A206261	A206261S
	124	Gyproc SoundBloc	1 x 15	4000	49	50	Heavy	27	A206262	A206262S
	124	Gyproc SoundBloc	1 x 15	4000	50	51	Heavy	27	A206263	A206263S
	124	Gyproc SoundBloc	1 x 15	4000	51	52	Heavy	27	A206264	A206264S
	124	Gyproc SoundBloc	1 x 15	4000	52	53	Heavy	27	A206233	A206233S
60 minutes fire resistance 										
	124	Gyproc FireLine	1 x 15	4000	40	41	Heavy	25	A206265	A206265S
	124	Gyproc FireLine	1 x 15	4000	44 ⁴	45 ⁴	Heavy	25	A206266	A206266S
	124	Gyproc FireLine	1 x 15	4000	46	48	Heavy	25	A206268	A206268S

► For further assistance in choosing the right solution for your project, try our System Selector; an online tool that enables quick and easy filtering by performance criteria. It provides system specific information downloads including BIM (Revit) objects. Go to gyproc.ie

¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

⁴ Increasing the insulation to 50mm Isover Acoustic Roll will not improve the system performance.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

GypWall performance (continued)

92mm Gypframe 'C' Studs - single layer board linings

For details of when
to specify fire
resistance using BS
Refer to C02. S01. P18



Table 4b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		One layer of board each side of 92mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		One layer of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		One layer of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 3 x 25mm Isover Acoustic Roll in the cavity. Linings as in table.
⑤		One layer of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m ²	System reference	
					Any finish ²	Skim only ³			Any finish ²	Skim only ³
30 minutes fire resistance BS										
4	119	Gyproc SoundBloc	1 x 12.5	4500	50	51	Medium	23	A206232	A206232S
1	124	Gyproc SoundBloc	1 x 15	4700	44	45	Heavy	27	A206261	A206261S
2	124	Gyproc SoundBloc	1 x 15	4700	49	50	Heavy	27	A206262	A206262S
3	124	Gyproc SoundBloc	1 x 15	4700	50	51	Heavy	27	A206263	A206263S
5	124	Gyproc SoundBloc	1 x 15	4700	51	52	Heavy	27	A206264	A206264S
4	124	Gyproc SoundBloc	1 x 15	4700	52	53	Heavy	27	A206233	A206233S
60 minutes fire resistance BS										
1	124	Gyproc FireLine	1 x 15	4700	40	41	Heavy	25	A206265	A206265S
2	124	Gyproc FireLine	1 x 15	4700	44 ⁴	45 ⁴	Heavy	25	A206266	A206266S
5	124	Gyproc FireLine	1 x 15	4700	46	48	Heavy	25	A206268	A206268S

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

⁴ Increasing insulation to 50mm Isover Acoustic Roll will not improve this system performance.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

92mm Gypframe AcouStuds - single layer board linings

For details of when
to specify fire
resistance using EN

► Refer to C02. S01. P18



Table 5a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. Linings as in table.
②		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation R_w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance 										
	124	Gyproc SoundBloc	1 x 15	4000	45	46	Heavy	27	A206A281	A206A281S
	124	Gyproc SoundBloc	1 x 15	4000	50	51	Heavy	27	A206A282	A206A282S
	124	Gyproc SoundBloc	1 x 15	4000	51	52	Heavy	27	A206A283	A206A283S
	124	Gyproc SoundBloc	1 x 15	4000	52	54	Heavy	27	A206A284	A206A284S
60 minutes fire resistance 										
	124	Gyproc FireLine	1 x 15	4000	41	42	Heavy	24	A206A285	A206A285S
	124	Gyproc FireLine	1 x 15	4000	44 ⁴	45 ⁴	Heavy	24	A206A286	A206A286S
	124	Gyproc FireLine	1 x 15	4000	46	48	Heavy	24	A206A288	A206A288S

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¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

⁴ Increasing insulation to 50mm Isover Acoustic Roll will not improve this system performance.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

Table 5b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. Linings as in table.
②		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		One layer of board each side of 92mm Gypframe AcouStuds at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance (BS)										
1	124	Gyproc SoundBloc	1 x 15	4900	45	46	Heavy	27	A206A281	A206A281S
2	124	Gyproc SoundBloc	1 x 15	4900	50	51	Heavy	27	A206A282	A206A282S
3	124	Gyproc SoundBloc	1 x 15	4900	51	52	Heavy	27	A206A283	A206A283S
4	124	Gyproc SoundBloc	1 x 15	4900	52	54	Heavy	27	A206A284	A206A284S
60 minutes fire resistance (BS)										
1	124	Gyproc FireLine	1 x 15	4900	41	42	Heavy	24	A206A285	A206A285S
2	124	Gyproc FireLine	1 x 15	4900	44 ⁴	45 ⁴	Heavy	24	A206A286	A206A286S
4	124	Gyproc FireLine	1 x 15	4900	46	48	Heavy	24	A206A288	A206A288S

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

⁴ Increasing insulation to 50mm Isover Acoustic Roll will not improve this system performance.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

(NB) For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

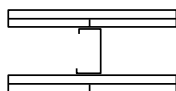
48mm Gypframe 'C' Studs - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



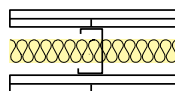
Table 6a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①



Two layers of board each side of 48mm Gypframe 'C' Studs at 600mm centres. Linings as in table.

②



Two layers of board each side of 48mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation R_w dB		Duty rating	Approx. weight kg/m²	System reference		
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only	
30 minutes fire resistance 											
	100	Gyproc WallBoard	2 x 12.5	3400	42	-	Severe	35	A206003	-	
	100	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	3400	42	-	Severe	39	H206003	-	
	100	Gyproc WallBoard	2 x 12.5	3000	49	-	Severe	35	A206035	-	
	100	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	3000	49	-	Severe	39	H206035	-	
60 minutes fire resistance 											
	100	Gyproc SoundBloc	2 x 12.5	3000	46	-	Severe	43	A206154	-	
	100	Gyproc SoundBloc	2 x 12.5	3000	51	-	Severe	43	A206186	-	
	110	Gyproc WallBoard	2 x 15	3700	45	-	Severe	42	A206004	-	
90 minutes fire resistance 											
	110	Gyproc SoundBloc	2 x 15	3000	49	-	Severe	51	A206155	-	
	110	Gyproc SoundBloc	2 x 15	3000	53	54	Severe	51	A206187	A206187S	
120 minutes fire resistance 											
	100	Gyproc FireLine	2 x 12.5	3400	42	-	Severe	40	A206067	-	
	100	Gyproc FireLine	2 x 12.5	3400	49	-	Severe	40	A206099	-	
	110	Gyproc FireLine	2 x 15	3700	45	-	Severe	49	A206156	-	

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² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

Table 6b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		Two layers of board each side of 48mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		Two layers of board each side of 48mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
60 minutes fire resistance BS										
1	100	Gyproc WallBoard	2 x 12.5	3400	42	-	Severe	35	A206003	-
1	100	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	3400	42	-	Severe	39	H206003	-
1	100	Gyproc SoundBloc	2 x 12.5	3400	46	-	Severe	43	A206154	-
2	100	Gyproc WallBoard	2 x 12.5	3400	49	-	Severe	35	A206035	-
2	100	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	3400	49	-	Severe	39	H206035	-
2	100	Gyproc SoundBloc	2 x 12.5	3400	51	-	Severe	43	A206186	-
90 minutes fire resistance BS										
1	110	Gyproc WallBoard	2 x 15	3700	45	-	Severe	42	A206004	-
1	110	Gyproc SoundBloc	2 x 15	3700	49	-	Severe	51	A206155	-
2	110	Gyproc WallBoard	2 x 15	3700	49	-	Severe	42	A206036	-
2	110	Gyproc SoundBloc	2 x 15	3700	53	54	Severe	51	A206187	A206187S
120 minutes fire resistance BS										
1	100	Gyproc FireLine	2 x 12.5	3400	42	-	Severe	40	A206067	-
2	100	Gyproc FireLine	2 x 12.5	3400	49	-	Severe	40	A206099	-

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

GypWall performance (continued)

70mm Gypframe 'C' Studs - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



Table 7a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①		Two layers of board each side of 70mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		Two layers of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference		
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only	
30 minutes fire resistance (EN)											
①	122	Gyproc WallBoard	2 x 12.5	4600	45	-	Severe	35	A206015	-	
①	122	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	4600	45	-	Severe	39	H206015	-	
②	122	Gyproc WallBoard	2 x 12.5	4600	49	-	Severe	35	A206047	-	
60 minutes fire resistance (EN)											
①	122	Gyproc SoundBloc	2 x 12.5	4600	49	-	Severe	43	A206166	-	
③	122	Gyproc WallBoard	2 x 12.5	4000	50	-	Severe	35	A206142	-	
③	122	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	4000	50	-	Severe	39	H206142	-	
②	122	Gyproc SoundBloc	2 x 12.5	4000	52	-	Severe	43	A206198	-	
③	122	Gyproc SoundBloc	2 x 12.5	4000	53	-	Severe	44	A206230	-	
①	132	Gyproc WallBoard	2 x 15	4900	46	47	Severe	42	A206016	A206016S	
②	132	Gyproc WallBoard	2 x 15	4000	50	-	Severe	42	A206048	-	
90 minutes fire resistance (EN)											
①	132	Gyproc SoundBloc	2 x 15	4000	51	52	Severe	51	A206167	A206167S	
②	132	Gyproc SoundBloc	2 x 15	4000	54	55	Severe	51	A206199	A206199S	
③	132	Gyproc SoundBloc	2 x 15	4000	56	57	Severe	52	A206231	A206231S	
120 minutes fire resistance (EN)											
①	122	Gyproc FireLine	2 x 12.5	4200	46	-	Severe	40	A206079	-	
②	122	Gyproc FireLine	2 x 12.5	4000	49	-	Severe	40	A206111	-	
③	122	Gyproc FireLine	2 x 12.5	4000	50	-	Severe	40	A206144	-	
①	132	Gyproc FireLine	2 x 15	4900	46	47	Severe	47	A206251	A206251S	
②	132	Gyproc FireLine	2 x 15	4300	50	-	Severe	49	A206253	-	

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² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

(NB) For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

70mm Gypframe 'C' Studs - double layer board linings

For details of when to specify fire resistance using BS
 ▶ Refer to C02. S01. P18



Table 7b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		Two layers of board each side of 70mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		Two layers of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 70mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.

▶ Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference		
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only	
60 minutes fire resistance (BS)											
①	122	Gyproc WallBoard	2 x 12.5	4600	45	-	Severe	35	A206015	-	
①	122	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	4600	45	-	Severe	39	H206015	-	
①	122	Gyproc SoundBloc	2 x 12.5	4600	49	-	Severe	43	A206166	-	
②	122	Gyproc WallBoard	2 x 12.5	4600	49	-	Severe	35	A206047	-	
②	122	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	4600	49	-	Severe	39	H206047	-	
③	122	Gyproc WallBoard	2 x 12.5	4600	50	-	Severe	36	A206142	-	
③	122	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	4600	50	-	Severe	39	H206142	-	
②	122	Gyproc SoundBloc	2 x 12.5	4600	52	-	Severe	43	A206198	-	
③	122	Gyproc SoundBloc	2 x 12.5	4600	53	-	Severe	44	A206230	-	
90 minutes fire resistance (BS)											
①	132	Gyproc WallBoard	2 x 15	4900	46	47	Severe	42	A206016	A206016S	
②	132	Gyproc WallBoard	2 x 15	4900	50	-	Severe	42	A206048	-	
①	132	Gyproc SoundBloc	2 x 15	4900	51	52	Severe	51	A206167	A206167S	
②	132	Gyproc SoundBloc	2 x 15	4900	54	55	Severe	51	A206199	-	
③	132	Gyproc SoundBloc	2 x 15	4900	56	57	Severe	52	A206231	A206231S	
120 minutes fire resistance (BS)											
①	112	Glasroc F MULTIBOARD	2 x 10	4200	42	--	Severe	40	G106013	-	
①	122	Gyproc FireLine	2 x 12.5	4600	46	-	Severe	40	A206079	-	
②	122	Gyproc FireLine	2 x 12.5	4600	49	-	Severe	40	A206111	-	
③	122	Gyproc FireLine	2 x 12.5	4600	50	-	Severe	41	A206144	-	

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² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

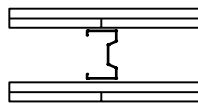
70mm Gypframe AcouStuds - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



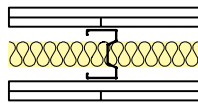
Table 8a – Solutions to satisfy the requirements of BS EN 1364-1: 1999

①



Two layers of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. Linings as in table.

②



Two layers of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R</i> _w dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance (EN)										
(1)	122	Gyproc WallBoard	2 x 12.5	4700	47	-	Severe	35	A206A015	-
60 minutes fire resistance (EN)										
(1)	122	Gyproc SoundBloc	2 x 12.5	4700	53	-	Severe	43	A206A166	-
(2)	122	Gyproc SoundBloc	2 x 12.5	4000	58	59	Severe	43	A206A198	A206A198S
90 minutes fire resistance (EN)										
(1)	122	Gyproc FireLine	2 x 12.5	4700	49	50	Severe	40	A206A079	A206A079S
(2)	122	Gyproc FireLine	2 x 12.5	4700	54	55	Severe	40	A206A111	A206A111S
(1)	132	Gyproc SoundBloc	2 x 15	4000	54	55	Severe	51	A206A167	A206A167S
120 minutes fire resistance (EN)										
(1)	122	Gyproc FireLine	2 x 12.5	4200	49	50	Severe	40	A206A079	A206A079S
(2)	122	Gyproc FireLine	2 x 12.5	4000	54	55	Severe	40	A206A111	A206A111S
(1)	132	Gyproc FireLine	2 x 15	5000	49	50	Severe	49	A206A251	A206A251S

► For further assistance in choosing the right solution for your project, try our System Selector; an online tool that enables quick and easy filtering by performance criteria. It provides system specific information downloads including BIM (Revit) objects. Go to gyproc.ie

¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

Table 8b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		Two layers of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. Linings as in table.
②		Two layers of board each side of 70mm Gypframe 70 AS 50 AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation <i>R_w</i> dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
60 minutes fire resistance (BS)										
①	122	Gyproc WallBoard	2 x 12.5	4700	47	-	Severe	35	A206A015	-
①	122	Gyproc SoundBloc	2 x 12.5	4700	53	-	Severe	43	A206A166	-
②	122	Gyproc SoundBloc	2 x 12.5	4700	58	59	Severe	43	A206A198	A206A198S
90 minutes fire resistance (BS)										
①	132	Gyproc SoundBloc	2 x 15	5000	54	55	Severe	51	A206A167	A206A167S
120 minutes fire resistance (BS)										
①	122	Gyproc FireLine	2 x 12.5	4700	49	50	Severe	40	A206A079	A206A079S
②	122	Gyproc FireLine	2 x 12.5	4700	54	55	Severe	40	A206A111	A206A111S

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

(NB) For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

92mm Gypframe 'C' Studs - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



Table 9a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①	②	③	④
Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. Linings as in table.	Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.	Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 3 x 25mm Isover Acoustic Roll in the cavity. Linings as in table.	Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation $R_w (R_w + C_{tr})$ dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
60 minutes fire resistance (EN)										
3	144	Gyproc SoundBloc	2 x 12.5	4000	56 (51)	-	Severe	44	A206234	-
90 minutes fire resistance (EN)										
1	154	Gyproc SoundBloc	2 x 15	5000	52	53	Severe	52	A206269	A206269S
4	154	Gyproc FireLine	2 x 15	4000	53	55	Severe	53	A206276	A206276S
2	154	Gyproc SoundBloc	2 x 15	5000	56 ⁴	57 ⁴	Severe	52	A206270	A206270S
120 minutes fire resistance (EN)										
1	154	Gyproc FireLine	2 x 15	5900	50	51	Severe	52	A206273	A206273S
2	154	Gyproc FireLine	2 x 15	5000	52 ⁴	53 ⁴	Severe	52	A206274	A206274S
4	154	Gyproc FireLine	2 x 15	3000	53	55	Severe	53	A206276	A206276S

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¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

⁴ Increasing the insulation to 50mm Isover Acoustic Roll will not improve the system performance.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

(NB) For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

92mm Gypframe 'C' Studs - double layer board linings

For details of when
to specify fire
resistance using BS
► Refer to C02. S01. P18



Table 9b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 3 x 25mm Isover Acoustic Roll in the cavity. Linings as in table.
④		Two layers of board each side of 92mm Gypframe 'C' Studs at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation $R_w (R_w + C_{tr})$ dB		Duty rating	Approx. weight kg/m²	System reference		
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only	
60 minutes fire resistance (BS)											
3	144	Gyproc SoundBloc	2 x 12.5	5700	56 (51)	-	Severe	44	A206234	-	
90 minutes fire resistance (BS)											
1	154	Gyproc SoundBloc	2 x 15	5900	52	53	Severe	52	A206269	A206269S	
2	154	Gyproc SoundBloc	2 x 15	5900	56 ⁴	57 ⁴	Severe	52	A206270	A206270S	
120 minutes fire resistance (BS)											
1	154	Gyproc FireLine	2 x 15 ⁵	5900	50	51	Severe	52	A206273	A206273S	
2	154	Gyproc FireLine	2 x 15 ⁵	5900	52 ⁴	53 ⁴	Severe	52	A206274	A206274S	
4	154	Gyproc FireLine	2 x 15 ⁵	5900	53	55	Severe	53	A206276	A206276S	

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

⁴ Increasing insulation to 50mm Isover Acoustic Roll will not improve this system performance.

⁵ 2 x 12.5mm lining thickness is acceptable for 120 minutes BS up to a maximum height of 5700mm but acoustic test data is not available.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

(NB) For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

92mm Gypframe AcouStuds - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



Table 10a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. Linings as in table.
②		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation $R_w (R_w + C_{tr})$ dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
60 minutes fire resistance 										
	144	Gyproc SoundBloc	2 x 12.5	5000	54	55	Severe	52	A206A289	A206A289S
	144	Gyproc SoundBloc	2 x 12.5	5000	57 (51)	58 (51)	Severe	52	A206A290	A206A290S
	144	Gyproc SoundBloc	2 x 12.5	5000	58 (53)	59 (53)	Severe	52	A206A291	A206A291S
	144	Gyproc SoundBloc	2 x 12.5	5000	59 (54)	60 (54)	Severe	52	A206A292	A206A292S
120 minutes fire resistance 										
	144	Gyproc FireLine	2 x 12.5	3000	51	52	Severe	52	A206A293	A206A293S
	144	Gyproc FireLine	2 x 12.5	4000	55	56	Severe	52	A206A295	A206A295S
	144	Gyproc FireLine	2 x 12.5	3000	56	58	Severe	52	A206A296	A206A296S

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¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

Table 10b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. Linings as in table.
②		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		Two layers of board each side of 92mm Gypframe AcouStuds at 600mm centres. 100mm Isover Modular Roll in the cavity. Linings as in table.

► Refer to GypWall **ROBUST** and GypWall **EXTREME** sections for single layer Severe Duty solutions

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation R_w ($R_w + C_{tr}$) dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
60 minutes fire resistance BS										
1	144	Gyproc SoundBloc	2 x 12.5	5800	54	55	Severe	52	A206A289	A206A289S
2	144	Gyproc SoundBloc	2 x 12.5	5800	57 (51)	58 (51)	Severe	52	A206A290	A206A290S
3	144	Gyproc SoundBloc	2 x 12.5	5800	58 (53)	59 (53)	Severe	52	A206A291	A206A291S
4	144	Gyproc SoundBloc	2 x 12.5	5800	59 (54)	60 (54)	Severe	52	A206A292	A206A292S
120 minutes fire resistance BS										
1	144	Gyproc FireLine	2 x 12.5	5800	51	52	Severe	52	A206A293	A206A293S
2	144	Gyproc FireLine	2 x 12.5	5800	54	55	Severe	52	A206A294	A206A294S
3	144	Gyproc FireLine	2 x 12.5	5800	55	56	Severe	52	A206A295	A206A295S
4	144	Gyproc FireLine	2 x 12.5	5800	56	58	Severe	52	A206A296	A206A296S

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

146mm Gypframe 'C' Studs - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



Table 11a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①		Two layers of board each side of 146mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		Two layers of board each side of 146mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 146mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		Inner layer of Gyproc Plank fixed horizontally, and outer layer of Gyproc FireLine fixed vertically each side of 146mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation $R_w (R_w + C_{tr})$ dB		Duty rating	Approx. weight kg/m ²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
30 minutes fire resistance 										
	198	Gyproc WallBoard	2 x 12.5	7600	50	51	Severe	35	A206027	A206027S
	198	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	7600	50	-	Severe	39	H206027	-
60 minutes fire resistance 										
	198	Gyproc WallBoard	2 x 12.5	4000	51	52	Severe	36	A206149	A206149S
	198	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	4000	51	-	Severe	40	H206149	-
	198	Gyproc SoundBloc	2 x 12.5	5000	53	54	Severe	43	A206178	A206178S
	198	Gyproc SoundBloc	2 x 12.5	4000	55 (49)	56 (49)	Severe	43	A206210	A206210S
	208	Gyproc WallBoard	2 x 15	5000	50	-	Severe	42	A206028	-
	208	Gyproc WallBoard	2 x 15	4000	51	-	Severe	42	A206060	-
90 minutes fire resistance 										
	208	Gyproc SoundBloc	2 x 15	3000	56 (50)	57 (50)	Severe	51	A206179	A206179S
	208	Gyproc SoundBloc	2 x 15	4000	59 (53)	60 (53)	Severe	52	A206243	A206243S
120 minutes fire resistance 										
	198	Gyproc FireLine	2 x 12.5	4200	50	51	Severe	40	A206091	A206091S
	198	Gyproc FireLine	2 x 12.5	4000	51	52	Severe	40	A206123	A206123S
	208	Gyproc FireLine	2 x 15	7900	50	-	Severe	46	A206180	-
	208	Gyproc FireLine	2 x 15	7800	51	-	Severe	46	A206181	-

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¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

Table 11b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①		Two layers of board each side of 146mm Gypframe 'C' Studs at 600mm centres. Linings as in table.
②		Two layers of board each side of 146mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 146mm Gypframe 'C' Studs at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
④		Inner layer of Gyproc Plank fixed horizontally, and outer layer of Gyproc board fixed vertically each side of 146mm Gypframe 'C' Studs at 600mm centres. 25mm Isover Acoustic Roll in the cavity. Linings as in table.

Detail	Partition thickness mm	Board type	Lining thickness mm	Max height ¹ mm	Sound insulation $R_w (R_w + C_{tr})$ dB		Duty rating	Approx. weight kg/m ²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
60 minutes fire resistance BS										
1	198	Gyproc WallBoard	2 x 12.5	7600	50	51	Severe	35	A206027	A206027S
1	198	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	7600	50	-	Severe	39	H206027	-
2	198	Gyproc WallBoard	2 x 12.5	7600	51	52	Severe	35	A206059	A206059S
2	198	Outer layer Glasroc H TILEBACKER + inner layer Gyproc WallBoard	1 x 12.5 + 1 x 12.5	7600	51	-	Severe	39	H206059	-
1	198	Gyproc SoundBloc	2 x 12.5	7600	53	54	Severe	43	A206178	A206178S
2	198	Gyproc SoundBloc	2 x 12.5	7600	55 (49)	56 (49)	Severe	43	A206210	A206210S
3	198	Gyproc SoundBloc	2 x 12.5	7600	56 (50)	57 (50)	Severe	43	A206244	A206244S
90 minutes fire resistance BS										
1	208	Gyproc WallBoard	2 x 15	7900	50	-	Severe	42	A206028	-
2	208	Gyproc WallBoard	2 x 15	7900	51	-	Severe	42	A206060	-
1	208	Gyproc SoundBloc	2 x 15	7900	56 (50)	57 (50)	Severe	51	A206179	A206179S
2	208	Gyproc SoundBloc	2 x 15	7900	58 (52)	-	Severe	51	A206211	-
3	208	Gyproc SoundBloc	2 x 15	7900	59 (53)	60 (53)	Severe	52	A206243	A206243S
120 minutes fire resistance BS										
1	188	Glasroc F MULTIBOARD	2 x 10	7100	48	-	Severe	40	G106014	-
1	198	Gyproc FireLine	2 x 12.5	7600	50	51	Severe	40	A206091	A206091S
2	198	Gyproc FireLine	2 x 12.5	7600	51	52	Severe	40	A206123	A206123S
4	211	Gyproc Plank + Gyproc FireLine	1 x 19 + 1 x 12.5	7100	51	-	Severe	54	A226002	-

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¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gyproc 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gyproc Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

GypWall performance (continued)

146mm Gypframe AcouStuds - double layer board linings

For details of when
to specify fire
resistance using EN
► Refer to C02. S01. P18



Table 12a — Solutions to satisfy the requirements of BS EN 1364-1: 1999

①		Two layers of board each side of 146mm Gypframe 146 AS 50 AcouStuds at 600mm centres. Linings as in table.
②		Two layers of board each side of 146mm Gypframe 146 AS 50 AcouStuds at 600mm centres. 50mm Isover Acoustic Roll in the cavity. Linings as in table.
③		Two layers of board each side of 146mm Gypframe 146 AS 50 AcouStuds at 600mm centres. 150mm Isover Acoustic Roll (100mm and 50mm) in the cavity. Linings as in table.

Detail	Partition thickness mm	Board type	Lining thickness mm	Max partition height ¹ mm	Sound insulation $R_w (R_w + C_w)$ dB		Duty rating	Approx. weight kg/m²	System reference		
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only	
60 minutes fire resistance (EN)											
①	208	Gyproc WallBoard	2 x 15	5000	52 (47)	54 (47)	Severe	42	A206A028	A206A028S	
①	208	Gyproc SoundBloc	2 x 15	5000	59 (54)	60 (54)	Severe	51	A206A179	A206A179S	
③	208	Gyproc SoundBloc	2 x 15	5000	61 (57)	63 (57)	Severe	53	A206A255	A206A255S	
90 minutes fire resistance (EN)											
①	198	Gyproc FireLine	2 x 12.5	7800	52 (48)	53 (48)	Severe	40	A206A091	A206A091S	
①	208	Gyproc SoundBloc	2 x 15	4000	59 (54)	60 (54)	Severe	51	A206A179	A206A179S	
②	208	Gyproc SoundBloc	2 x 15	4000	61 (56)	62 (56)	Severe	52	A206A243	A206A243S	
③	208	Gyproc SoundBloc	2 x 15	4000	61 (57)	63 (57)	Severe	53	A206A255	A206A255S	
120 minutes fire resistance (EN)											
①	198	Gyproc FireLine	2 x 12.5	4200	52 (48)	53 (48)	Severe	40	A206A091	A206A091S	
①	208	Gyproc FireLine	2 x 15	8100	52 (47)	54 (47)	Severe	50	A206A180	A206A180S	

► For further assistance in choosing the right solution for your project, try our System Selector; an online tool that enables quick and easy filtering by performance criteria. It provides system specific information downloads including BIM (Revit) objects. Go to gyproc.ie

¹ The maximum heights quoted are limited by the fire state field of application or by limiting deflection of L/240 at 200 Pa, whichever is the more onerous.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

(NB) For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

(NB) For heights over 8000mm, Gypframe Extra Deep Flange Floor & Ceiling Channel should be used at head and base.

GypWall performance (continued)

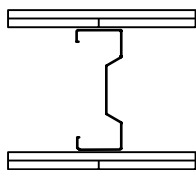
146mm Gypframe AcouStuds - double layer board linings

For details of when
to specify fire
resistance using BS
► Refer to C02. S01. P18



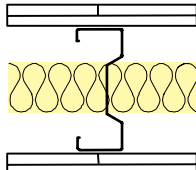
Table 12b — Solutions to satisfy the requirements of BS 476: Part 22: 1987

①



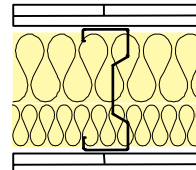
Two layers of board each side
of 146mm Gypframe 146 AS 50 AcouStuds at
600mm centres. Linings as in table.

②



Two layers of board each side of 146mm Gypframe
146 AS 50 AcouStuds at 600mm centres. 50mm
Isover Acoustic Roll in the cavity. Linings as in table.

③



Two layers of board each side of 146mm Gypframe
146 AS 50 AcouStuds at 600mm centres. 150mm
Isover Acoustic Roll (100mm and 50mm) in the
cavity. Linings as in table.

Detail	Partition thickness mm	Board type	Lining thickness mm	Max partition height ¹ mm	Sound insulation $R_w (R_w + C_{tr})$ dB		Duty rating	Approx. weight kg/m²	System reference	
					Any ² finish	Skim ³ only			Any ² finish	Skim ³ only
90 minutes fire resistance BS										
1	208	Gyproc WallBoard	2 x 15	8100	52 (47)	54 (47)	Severe	42	A206A028	A206A028S
1	208	Gyproc SoundBloc	2 x 15	8100	59 (54)	60 (54)	Severe	51	A206A179	A206A179S
2	208	Gyproc SoundBloc	2 x 15	8100	61 (56)	62 (56)	Severe	52	A206A243	A206A243S
3	208	Gyproc SoundBloc	2 x 15	8100	61 (57)	63 (57)	Severe	53	A206A255	A206A255S
120 minutes fire resistance BS										
1	198	Gyproc FireLine	2 x 12.5	7800	52 (48)	53 (48)	Severe	40	A206A091	A206A091S

► For further assistance in choosing the right solution for your project, try our System Selector; an online tool that enables quick and easy filtering by performance criteria. It provides system specific information downloads including BIM (Revit) objects. Go to gyproc.ie

¹ Based on a limiting deflection of L/240 at 200 Pa. Greater heights can be achieved through the use of Gypframe 'I' Studs, or reduced stud centres.

² Sound insulation performance for partitions finished using jointing or plaster skim.

³ Sound insulation performance for partitions finished with a 2mm skim finish of Gyproc Skimcoat, Carlite Finish or Carlite Ultra Finish plaster.

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or skimmed according to Gyproc's recommendations. The quoted performances are achieved only if Gyproc and Isover components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specifications should be checked with Gyproc.

NB For heights between 4200mm and 8000mm, Gypframe Deep Flange Floor & Ceiling Channel should be used at base and at head (subject to deflection criteria).

NB For heights over 8000mm, Gypframe Extra Deep Flange Floor & Ceiling Channel should be used at head and base.

GypWall design

Building design

Whilst our GypWall partition systems are non-loadbearing, they are able to provide resistance to levels of horizontal uniformly distributed loads in accordance with BS 6399.

► Refer to C02. S01. P37 – Robustness.

Planning – key factors

GypWall comprises Gypframe 'C' Studs installed at 600mm centres within Gypframe Floor & Ceiling Channels. The position of services and heavy fixtures should be pre-determined and their installation planned into the frame erection stage.

Fixing floor and ceiling channels

Gypframe Floor & Ceiling Channels must be securely fixed with a row of fixings at 600mm maximum centres. For 94mm and 148mm channels, two rows of staggered fixings are required, each row at 600mm centres and each fixing 25mm in from the flange. If the floor is uneven, a 38mm thick timber sole plate equal to the width of the channel should be used.

If the concrete or screeded floor is new, consideration should be given to the installation of a damp-proof membrane between the floor surface and the channel or sole plate.

Splicing

To extend studs, overlap by 600mm (minimum). Fix together using Gyproc Wafer Head Drywall Screws or steel pop rivets (two to each flange).

► Refer to Partitions introduction C04. S01. P110 – construction detail 1.

Partition to structural steelwork junctions

When designing the layout of rooms requiring separation by sound insulating walls abutting structural steelwork, consideration should be given to the potential loss of sound insulation performance through the steelwork.

► Refer to C02. S01. P21 – Building acoustics.

Door openings

The designer should consider thickness tolerances of the partition types in relation to the proposed door frame detail. Standard door frame detailing to suit BS 5234 Light and Medium Duty applications is shown in Partitions introduction C04. S01. P118 – construction detail 25. Detailing to satisfy BS 5234 requirements for Heavy and Severe Duty Rating is shown in Partitions introduction C04. S01. P119 – construction details 26 and 27. The door manufacturer should also be consulted in relation to door details.

Specialist advice should be sought from door manufacturers and Acoustic Consultants to ensure the required acoustic performance is achieved. This becomes more important as acoustic requirements increase.

Framing surround for openings

Where services such as horizontal ducts, fire dampers and access panels are required to penetrate the wall, their position should be pre-determined in order that a framed opening can be provided. The openings should be constructed using established metal stud procedures.

► Refer to Partitions introduction C04. S01. P121 - construction details 28-31.

Cavity fire barriers

Minimum 12.5mm Gyproc plasterboard, screw-fixed into the web of perimeter channels or vertical studs, will provide a satisfactory closure to flame or smoke.

► Refer to C06. S06. P422 – Cavity fire barriers.

Control joints

Control joints may be required in the partition to relieve stresses induced by expansion and contraction of the structure (refer to Partitions introduction C04. S01. P115 – construction detail 12). They should coincide with movement joints within the surrounding structure.

Deflection heads

Partition head deflection designs may be necessary to accommodate deflections in the supporting floor. Deflection heads may also be required to the underside of roof structures subjected to positive and negative pressures.

► Refer to Partitions introduction C04. S01. P116 – construction details 15-22.

To minimise the loss of acoustic performance:

► Refer to C02. S01. P21 – Building acoustics.

Services

Penetrations

Penetrations of fire-resistant or sound-insulating constructions for services need careful consideration to ensure that the performance of the element is not downgraded. Consideration also needs to be given to the services themselves so they do not act as the mechanism of fire spread or sound transmission.

► Refer to C02. S01. P41 – Service installations.



Handy hint

Where access is limited to one side of the head, e.g. M+E cages already installed in corridors

► Refer to C05. S02. P291 - ShaftWall.

GypWall design (continued)

Electrical

The installation of electrical services should be carried out in accordance with *BS 7671*. The cut-outs in the studs can be used for routing electrical and other small services (refer to Partitions introduction C04. S01. P110 – construction detail 2). Switch boxes and socket outlets can be supported from Gypframe 99 FC 50 Fixing Channel fixed horizontally between studs, or a high performance socket box detail used where higher acoustic performance is required.

Where Gypframe AcouStuds are used, services are routed through 50mm x 28mm 'H' shaped push-outs, at the same centres as shown in Partitions introduction C04. S01. P110 – construction detail 2a for conventional cut-outs. Cables should be protected by conduit, or other suitable precautions taken to prevent abrasion when they pass through the metal frame. Service cut-outs should be aligned to allow easy installation of service. If studs require cutting, cut from the same end of each stud to ensure cut-out alignment.

Independent support

When designing for the installation of services such as fire dampers and associated ductwork through a GypWall partition, consideration should be given to the size and weight of the damper - this will determine whether it can be supported directly from the partition or needs to be independently supported from the structure.

► Refer to Partitions introduction C04. S01. P122 – construction details 29-31.

Fixtures

Lightweight fixtures can be made directly to the partition linings. Medium weight fixtures can be made to Gypframe 99 FC 50 Fixing Channel. Heavyweight fixtures (to *BS 5234*) such as wash basins and wall cupboards, can be fixed using plywood secured by Gypframe Service Support Plates.

► Refer to C02. S01. P41 – Service installations.

Access for maintenance

Gyproc Profilex Access Panels are available to provide access for maintenance. Access panels must be fully compatible with drywall construction and match the fire rating of the partition.

► Please contact our Technical Department for further information:
ROI: 1800 744480
NI: 08453990159
Email: tech.ie@saint-gobain.com

Board finishing

► Refer to C08. S01. P483 – Finishes.

Tiling

Tiles up to 32kg/m² can be applied to the surface of lightweight partition systems.

► Refer to C08. S04. P498 – Tiling.

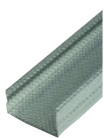
Construction details

For standard GypWall construction details

► Refer to Partitions introduction C04. S01. P110 – construction details.

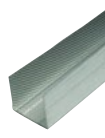
GypWall system components

Gypframe metal components



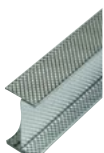
Gypframe 'C' Studs (48 S 50, 70 S 50, 70 S 60, 92 S 50, 92 S 60, 146 S 50, 146 S 60)

Vertical stud providing acoustic and structural performances designed to receive fixing of board to both sides.



Gypframe Extra Deep Flange Floor & Ceiling Channels (50 EDC 70, 72 EDC 80, 94 EDC 70, 148 EDC 80)

Floor and ceiling channels with extra deep flanges for retaining the Gypframe studs at floor and ceiling junctions for partitions over 8000mm high. Also used around openings and in deflection heads (maximum 50mm deflection).



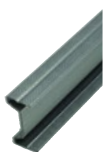
Gypframe 'I' Studs (48 I 50, 60 I 50, 60 I 70, 70 I 50, 70 I 70, 92 I 90, 146 I 80, 146 TI 90)

Enhanced strength stud that allows for increased partition height, designed to receive fixing of board.



Gypframe 99 FC 50 Fixing Channel

A versatile metal fixing channel used to support medium weight fixtures on walls.



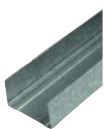
Gypframe AcouStud (70 AS 50, 92 AS 50, 146 AS 50)

Vertical stud providing enhanced acoustic and structural performances designed to receive fixing of board to both sides.



Gypframe GF51 Fixing Strap

Used to support horizontal board joints and within deflection heads.



Gypframe Folded Edge Standard Floor & Ceiling Channels (50 FEC 50, 62 FEC 50, 72 FEC 50, 94 FEC 50, 148 FEC 50)

Standard floor and ceiling channels for retaining the Gypframe studs at floor and ceiling junctions and around openings to heights not exceeding 4200mm.



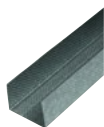
Gypframe GFT1 Fixing T

Used to support horizontal board joints.



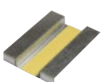
Gypframe GA6 Splayed Angle

Steel angle providing framing stability and board support.



Gypframe Deep Flange Floor & Ceiling Channels (FE50 DC 60, FE62 DC 60, FE72 DC 60, FE94 DC 60, FE148 DC 60)

Floor and ceiling channels with deep flanges for retaining the Gypframe studs at floor and ceiling junctions for partitions 4200mm to 8000mm high. Also used around openings and in deflection heads (maximum 30mm deflection).



Gypframe Service Support Plate

For installation of 18mm plywood within a partition cavity to support medium to heavyweight fixtures.



Gypframe GA5 Internal Fixing Angle

Widely used in construction to provide support, fixing and additional strength to wall, ceiling and encasement framing.

Board products



Gyproc WallBoard

Standard gypsum plasterboard.



Gyproc SoundBloc¹

Gypsum plasterboard with a high density core for enhanced sound insulation performance.



Gyproc Moisture Resistant

Gypsum plasterboard with moisture resistant additives in the core and special green lining paper for easy recognition.



Gyproc DuraLine

Gypsum plasterboard with fire resistant additives and a high density core for enhanced sound insulation and impact resistance performance.



Gyproc FireLine¹

Gypsum plasterboard with fire resistant additives.



Gyproc Plank

Standard gypsum plasterboard located as an inner layer.

¹ Also available in a Moisture Resistant (MR) version. MR boards are specified in intermittent wet use areas.

GypWall system components (continued)

Board products



Glasroc H TILEBACKER²

Non-combustible glass-reinforced gypsum board with a water resistant pre-primed acrylic coating to receive tiling.



Glasroc F FIRECASE

Non-combustible glass-reinforced gypsum board. Used to form deflection head.



Glasroc F MULTIBOARD

Non-combustible glass-reinforced gypsum board.



Gyproc CoreBoard

Gypsum plasterboard with fire and moisture resistant additives. Used to form deflection head.

² Glasroc H TILEBACKER is suitable for use in high moisture environments.

Fixing products



Gyproc Drywall Screws

Corrosion resistant self-tapping steel screws for fixing board-to-timber and board-to-metal framing less than 0.8mm thick.



Gyproc Jack-Point Screws

For fixing boards to Gypframe metal framing 0.8mm thick or greater ('I' studs 0.6mm thick and greater).



Gyproc Collated Drywall Screws

Corrosion resistant self-tapping steel screws for fixing board-to-timber and board-to-metal framing less than 0.8mm thick.



Gyproc Wafer Head Jack-Point Screws

Corrosion resistant self-tapping steel screws for fixing metal to metal framing 0.8mm thick or greater ('I' studs 0.6mm thick or greater).



Gyproc Wafer Head Drywall Screws

Corrosion resistant self-tapping steel screws for fixing metal to metal framing less than 0.8mm thick ('I' studs less than 0.6mm thick).

Plasterboard accessories



Gyproc Jointing Materials

Jointing compounds, ready mixes and adhesives for reinforcement and finishing of board joints.



Gyproc FireStrip

A soft extruded linear intumescent gap sealer to maintain fire resistance located directly to the underside of the soffit when forming a deflection head.



Gyproc Sealant

Used to seal air paths for optimum sound insulation.



Gyproc Control Joint

To accommodate structural movement of up to 7mm.



Gyproc Paper Joint Tape

A paper tape designed for reinforcement of flat joints or internal angles.



Gyproc Drywall Primer

Used to prepare for painting. Tub contents 10 litre.

GypWall system components (continued)

Finishing products



Gyproc Skimcoat

To provide a plaster skim finish on most common backgrounds including undercoat plasters and plasterboard. Can provide enhanced acoustic performance.



Gyproc Carlite Finish

To provide a plaster skim finish on most common backgrounds including undercoat plasters and plasterboard. Can provide enhanced acoustic performance.



Gyproc Carlite Ultra Finish

Offers all the benefits of Gyproc Skimcoat and Gyproc Carlite Finish with a reduced set time of 90-120mins, making it ideal for smaller jobs.



Gyproc Magnetic Plaster

To provide a plaster skim finish that provides an attraction to magnets used to finish a wide range of backgrounds, including undercoat plasters and plasterboard.



Plaster accessories

Designed for reinforcement and finishing of board joints before plaster skimming.

Insulation products



Isover Acoustic Roll

Glass mineral wool for enhanced acoustic performance.



Isover Modular Roll

Glass mineral wool for enhanced acoustic performance.

Stone mineral wool (by others)

For fire-stopping. Various densities - refer to details

Access panels (► Refer to the Gyproc Technical Department for details)



Profilex Access Panel

Panel for access to cavity.

GypWall system installation overview

This is intended to be a basic description of how the system is installed.



Appropriate Gypframe channels are suitably fixed to the floor and soffit.



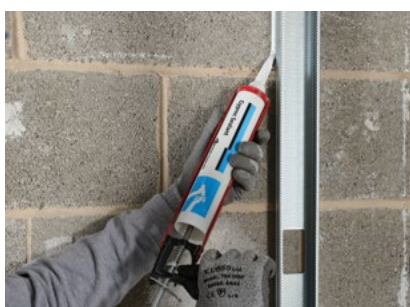
Gypframe 'C' Studs are suitably fixed to abutments.



Gypframe studs are then friction fitted into the Gypframe Floor & Ceiling Channels at required centres.



Door openings are constructed to suit the partitions' duty rating.



The perimeter of the partition is then sealed on both sides with Gyproc Sealant.



M&E services can be located within the partition cavity.



Isover insulation can also be added to the partition cavity for increased acoustic performance.



Gyproc plasterboards or Glasroc specialist boards are fixed to the Gypframe framework with Gyproc Drywall Screws.



Additional information

Refer to health and safety sections for guidance on the safe use of Gypframe metal, tools, gypsum products, manual handling and other relevant factors

For full installation details, refer to the **Gyproc Installation Guide**, available to download from gyproc.ie.