

GYPROCK®

Everything else is just plasterboard



THE RED BOOK™

FIRE, ACOUSTIC & THERMAL DESIGN GUIDE



Addendum November 2017

CSR

THE RED BOOK™ Addendum

OVERVIEW

The Red Book is one of the industry's most recognised and respected technical publications, providing fire, acoustic and thermal information on hundreds of wall and ceiling systems to support architects, engineers and other design professionals in their day to day design work. The current edition, released in February 2017, contains over 1000 wall and ceiling systems, supported by a range of detail drawings.

This addendum provides new and corrected information for the 2017 Red Book, delivered section-by-section in the following pages.

INCLUSIONS

Highlighted in **red text** across the document are the required updates, including new details for cladding substitutions, as well as corrected details for:

- Stud depth and wall thickness.
- Fire, acoustic and thermal performance values.
- Fire and acoustic assessment and opinion numbers.
- Cavity infill options.
- And the occasional updated system number and system deletion.

Information including acoustic and fire ratings have been sourced from recognised third parties and is current at the time of printing. This addendum replaces the details published in the 2017 Red Book, released February 2017, for the systems included.

INDEX TO CHANGED PAGES

INTRODUCTION No changes	A
PRODUCTS & DESIGN No changes	B
STEEL FRAMED WALL SYSTEMS C14, C23, C39, C40-42	C
TIMBER FRAMED WALL SYSTEMS No changes	D
EC08 WALL & CEILING SYSTEMS E13-14	E
MASONRY WALL SYSTEMS F19, F20-21	F
EXTERNAL WALL SYSTEMS G5, G16-17, G39-41, G30, G35-36, G39-40, G52	G
CEILING SYSTEMS H54	H
SERVICES SYSTEMS No changes	I
FLANKING PATH SYSTEMS J17	J
TECHNICAL DETAILS No changes	Z



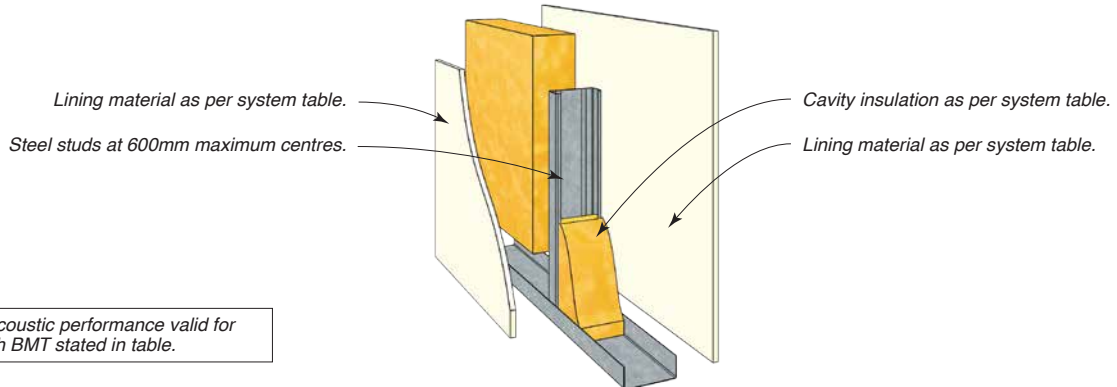
CSR

SECTION C | STEEL FRAMED WALL SYSTEMS

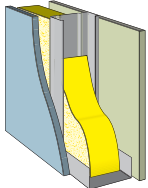
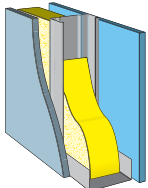
REFERRING TO PAGE C14 OF THE 2017 RED BOOK

The following systems have been updated with **corrected wall thickness and acoustic performance** data:

SYSTEM SPECIFICATIONS Steel Frame Internal Wall Systems – Single Stud



NOTE: Acoustic performance valid for studs with BMT stated in table.

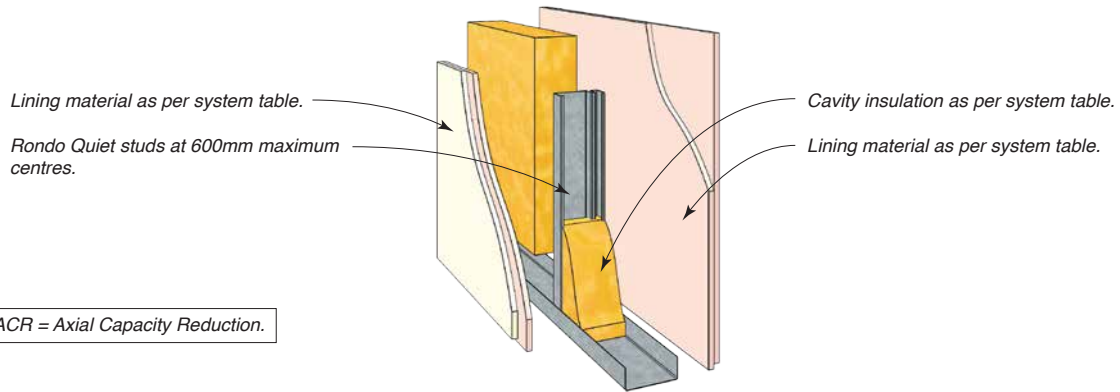
SYSTEM SPECIFICATION Refer to GYP548 Gyprock Commercial Installation Guide for further information			ACOUSTIC OPINION: PKA Predictor V16					
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	51	64	76	92	150
			STUD BMT mm	0.50	0.50	0.55	0.55	0.75
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}				
- / - / -	CSR 1004 	SIDE ONE • 1 x 6mm CeminSeal Wallboard. SIDE TWO • 1 x 10mm Gyprock Sensitive Plasterboard.	(a) Nil	32/24	33/26	34/27	35/28	37/30
			(b) 50 GW Acoustigard 11kg	40/30	41/32	42/33	43/34	44/35
			(c) 75 GW Acoustigard 11kg	–	43/34	43/34	44/35	45/36
			(d) MSB3 Polyester	38/29	39/31	40/32	41/33	42/34
			(e) 60 Soundscreen 1.7	43/32	43/33	44/34	45/35	46/36
			Wall Thickness mm	67	80	92	108	166
- / - / -	CSR 1005 	SIDE ONE • 1 x 6mm CeminSeal Wallboard. SIDE TWO • 1 x 10mm Gyprock Aquachek Plasterboard.	(a) Nil	32/24	33/26	34/27	35/28	37/30
			(b) 50 GW Acoustigard 11kg	40/30	41/32	42/33	43/34	44/35
			(c) 75 GW Acoustigard 11kg	–	43/34	43/34	44/35	45/36
			(d) MSB3 Polyester	38/29	39/31	40/32	41/33	42/34
			(e) 60 Soundscreen 1.7	43/32	43/33	44/34	45/35	46/36
			Wall Thickness mm	67	80	92	108	166

REFERRING TO PAGE C23 OF THE 2017 RED BOOK

The following systems have been updated with **corrected wall thickness and acoustic performance data**:

SYSTEM SPECIFICATIONS

Steel Frame Internal Wall Systems – Rondo Quiet Stud



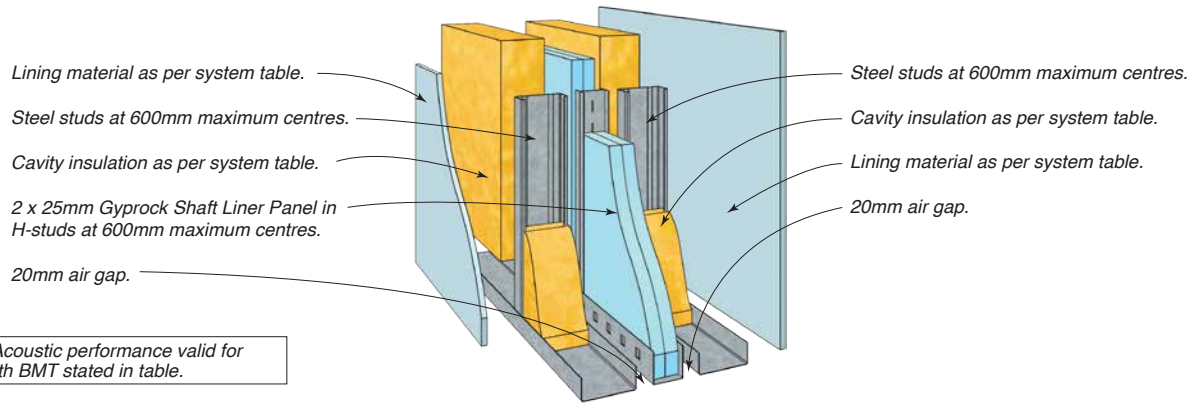
NOTE: * ACR = Axial Capacity Reduction.

SYSTEM SPECIFICATION			ACOUSTIC OPINION: PKA Predictor V16	
Refer to GYP548 Gyprock Commercial Installation Guide for further information			STUD DEPTH mm	92
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD BMT mm	0.55
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}
- /90/90 60/60/60 90/90/90* (from both sides) *ACR15% FAR2357	CSR 1133 	BOTH SIDES • 1 x 16mm Gyprock Fyrcek Plasterboard.	(a) Nil	41/34
			(b) 50 GW Acoustigard 11kg	48/39
			(c) 75 GW Acoustigard 14kg	50/42
			(d) MSB3 Polyester	47/39
			(e) 60 Soundscreen 1.7	49/40
			Wall Thickness mm	124
- /90/90 60/60/60 90/90/90* (from both sides) *ACR15% FAR2357	CSR 1140 	SIDE ONE • 1 x 16mm Gyprock Fyrcek Plasterboard. SIDE TWO • 2 x 16mm Gyprock Fyrcek Plasterboard.	(a) Nil	46/39
			(b) 50 GW Acoustigard 11kg	52/43
			(c) 75 GW Acoustigard 14kg	54/46
			(d) MSB3 Polyester	51/43
			(e) 60 Soundscreen 1.7	53/44
			Wall Thickness mm	140
- /90/90 60/60/60 90/90/90* (from both sides) *ACR15% FAR2357	CSR 1142 	SIDE ONE • 1 x 16mm Gyprock Fyrcek MR Plasterboard. SIDE TWO • 2 x 16mm Gyprock Fyrcek Plasterboard.	(a) Nil	47/40
			(b) 50 GW Acoustigard 11kg	53/44
			(c) 75 GW Acoustigard 14kg	55/47
			(d) MSB3 Polyester	52/44
			(e) 60 Soundscreen 1.7	54/45
			Wall Thickness mm	140

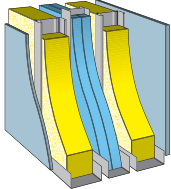
REFERRING TO PAGE C39 OF THE 2017 RED BOOK

The following system has been updated with **corrected Fire Assessment Report number reference and the option for nil insulation removed:**

SYSTEM SPECIFICATIONS **Steel Frame Internal Wall Systems – StrataWall with Double Cavity**



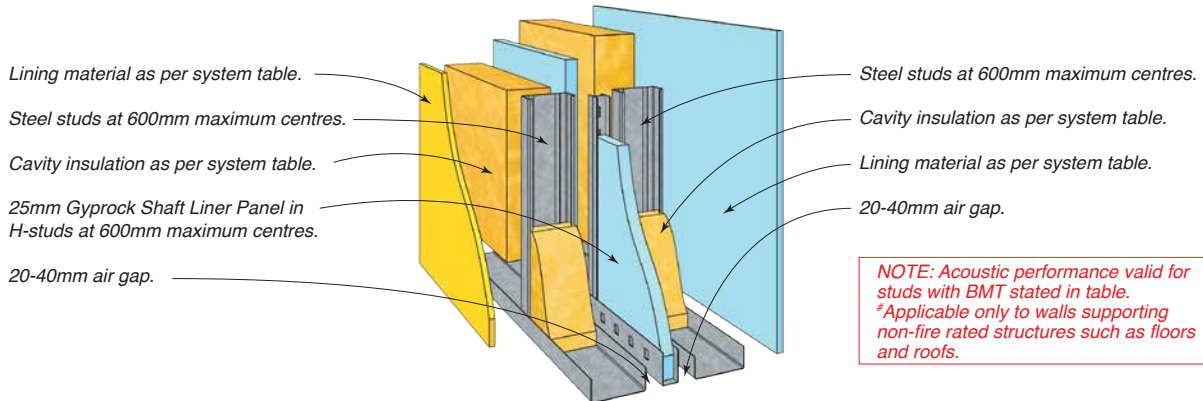
NOTE: Acoustic performance valid for studs with BMT stated in table.

SYSTEM SPECIFICATION			ACOUSTIC OPINION: PKA Predictor V16		
Refer to GYP949, Gyprock StrataWall Installation Guide for further information			Discontinuous Construction		
FRL	SYSTEM N°	WALL LININGS	STUD DEPTH mm	64	76
Report/Opinion			STUD BMT mm	0.50	0.55
			CAVITY INFILL		R _w / R _w +C _{tr}
			(Refer to TABLE B13)		
- /60/60 EWFA 45743	CSR 1465 	BOTH SIDES • 1 x 9mm CeminSeal Wallboard.	(a) 75 GW Acoustigard 11kg – each side	66/54	67/55
			(b) MSB5 Polyester – each side	61/49	62/50
			Wall Thickness mm	237	261

REFERRING TO PAGES C40 - C42 OF THE 2017 RED BOOK

The following StrataWall and Party Wall systems have been updated with a performance option inclusive of the Structural Adequacy component of the **Fire Resistance Level (FRL)**. The Structural Adequacy component of the FRL makes these Gyprock StrataWall and Party Wall systems suitable for load bearing walls in Class 1 and Class 10 buildings. They are also suitable for load bearing walls that do not support a fire rated floor or roof:

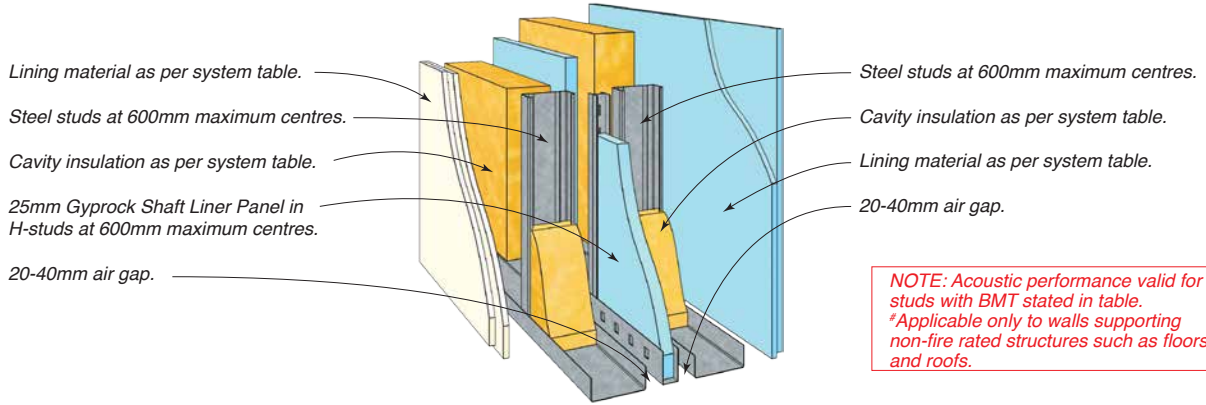
SYSTEM SPECIFICATIONS Steel Frame Internal Wall Systems – StrataWall & Party Wall with Double Cavity



SYSTEM SPECIFICATION Refer to GYP949, Gyprock StrataWall Installation Guide for further information			ACOUSTIC OPINION: PKA Predictor V16 Discontinuous Construction			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	64	76	92
			STUD BMT mm	0.50	0.55	0.55
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}		
- /60/60 60/60/60# EWFA 45743	CSR 1505 	BOTH SIDES (ANY ORDER) • 1 x 6mm CeminSeal Wallboard. • 1 x 10mm Gyprock Aquachek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	65/53	66/54	66/54
			(b) 110 GW Acoustigard 11kg – each side	65/53	67/55	66/54
			(c) 88 Soundscreen 2.5 – each side	66/54	67/55	67/55
			Minimum Wall Thickness mm	225	249	281
- /60/60 60/60/60# EWFA 45743	CSR 1510 	BOTH SIDES • 2 x 10mm Gyprock Plus Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	63/50	64/52	64/52
			(b) 110 GW Acoustigard 11kg – each side	63/50	65/53	64/52
			(c) 88 Soundscreen 2.5 – each side	64/51	65/53	65/53
			Minimum Wall Thickness mm	233	257	289
- /60/60 60/60/60# EWFA 45743	CSR 1512 	SIDE ONE • 2 x 10mm Gyprock Plus Plasterboard. SIDE TWO • 2 x 13mm Gyprock Aquachek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	65/52	65/53	66/54
			(b) 110 GW Acoustigard 11kg – each side	65/52	66/54	66/54
			(c) 88 Soundscreen 2.5 – each side	66/53	66/54	67/55
			Minimum Wall Thickness mm	239	263	295
- /60/60 60/60/60# EWFA 45743	CSR 1514 	BOTH SIDES • 2 x 10mm Gyprock Sensitive Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	65/53	65/53	66/54
			(b) 110 GW Acoustigard 11kg – each side	65/53	66/54	66/54
			(c) 88 Soundscreen 2.5 – each side	66/54	66/54	67/55
			Minimum Wall Thickness mm	233	257	289
- /60/60 60/60/60# EWFA 45743	CSR 1516 	BOTH SIDES • 2 x 10mm Gyprock Aquachek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	65/53	65/53	66/54
			(b) 110 GW Acoustigard 11kg – each side	65/53	66/54	66/54
			(c) 88 Soundscreen 2.5 – each side	66/54	66/54	67/55
			Minimum Wall Thickness mm	233	257	289

SYSTEM SPECIFICATIONS

Steel Frame Internal Wall Systems – StrataWall & Party Wall with Double Cavity

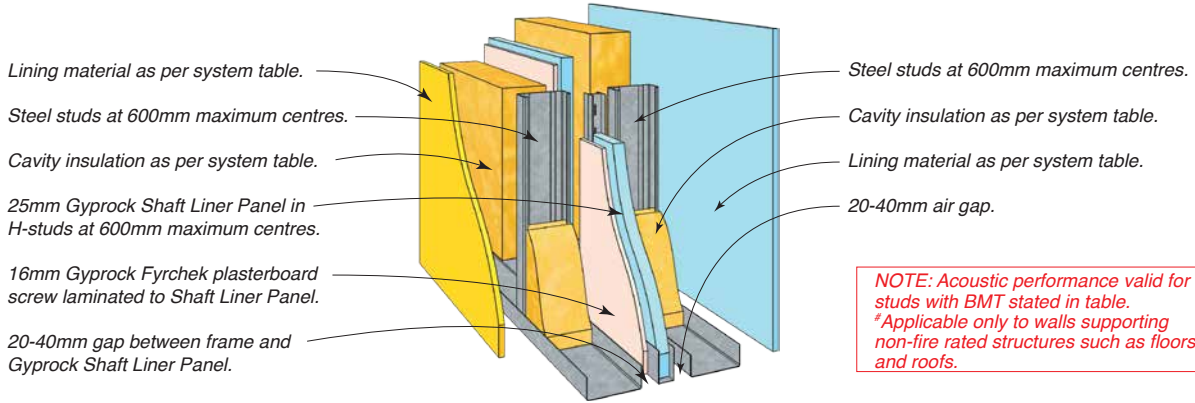


NOTE: Acoustic performance valid for studs with BMT stated in table.
 *Applicable only to walls supporting non-fire rated structures such as floors and roofs.

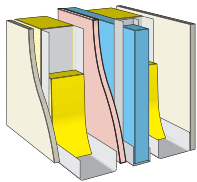
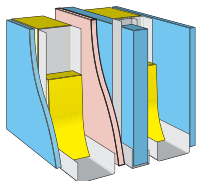
SYSTEM SPECIFICATION Refer to GYP949, Gyprock StrataWall Installation Guide for further information			ACOUSTIC OPINION: PKA Predictor V16 Discontinuous Construction			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	64	76	92
			STUD BMT mm	0.50	0.55	0.55
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}		
- /60/60 60/60/60# EWFA 45743	CSR 1525 	BOTH SIDES • 1 x 13mm Gyprock Aquachek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	63/50	63/50	64/52
			(b) 110 GW Acoustigard 11kg – each side	63/50	64/51	64/52
			(c) 88 Soundscreen 2.5 – each side	64/51	64/51	65/53
			Minimum Wall Thickness mm	219	243	275
- /60/60 60/60/60# EWFA 45743	CSR 1530 	SIDE ONE • 1 x 13mm Gyprock Soundchek Plasterboard. SIDE TWO • 1 x 13mm Gyprock Aquachek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	63/50	64/51	65/53
			(b) 110 GW Acoustigard 11kg – each side	63/50	65/52	65/53
			(c) 88 Soundscreen 2.5 – each side	64/51	65/52	66/54
			Minimum Wall Thickness mm	219	243	275
- /60/60 60/60/60# EWFA 45743	CSR 1535 	BOTH SIDES • 1 x 13mm Gyprock Soundchek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	64/52	64/52	65/53
			(b) 110 GW Acoustigard 11kg – each side	64/52	65/53	65/53
			(c) 88 Soundscreen 2.5 – each side	65/53	65/53	66/54
			Minimum Wall Thickness mm	219	243	275
- /60/60 60/60/60# EWFA 45743	CSR 1540 	BOTH SIDES • 2 x 13mm Gyprock Standard Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	65/53	66/54	66/55
			(b) 110 GW Acoustigard 11kg – each side	65/53	67/55	66/55
			(c) 88 Soundscreen 2.5 – each side	66/54	67/55	67/56
			Minimum Wall Thickness mm	245	269	301
- /60/60 60/60/60# EWFA 45743	CSR 1545 	BOTH SIDES • 2 x 13mm Gyprock Aquachek Plasterboard.	(a) 75 GW Acoustigard 14kg – each side	66/54	66/54	67/56
			(b) 110 GW Acoustigard 11kg – each side	66/54	67/55	67/56
			(c) 88 Soundscreen 2.5 – each side	67/55	67/55	68/57
			Minimum Wall Thickness mm	245	269	301

SYSTEM SPECIFICATIONS

Steel Frame Internal Wall Systems – StrataWall & Party Wall with Double Cavity



NOTE: Acoustic performance valid for studs with BMT stated in table.
 *Applicable only to walls supporting non-fire rated structures such as floors and roofs.

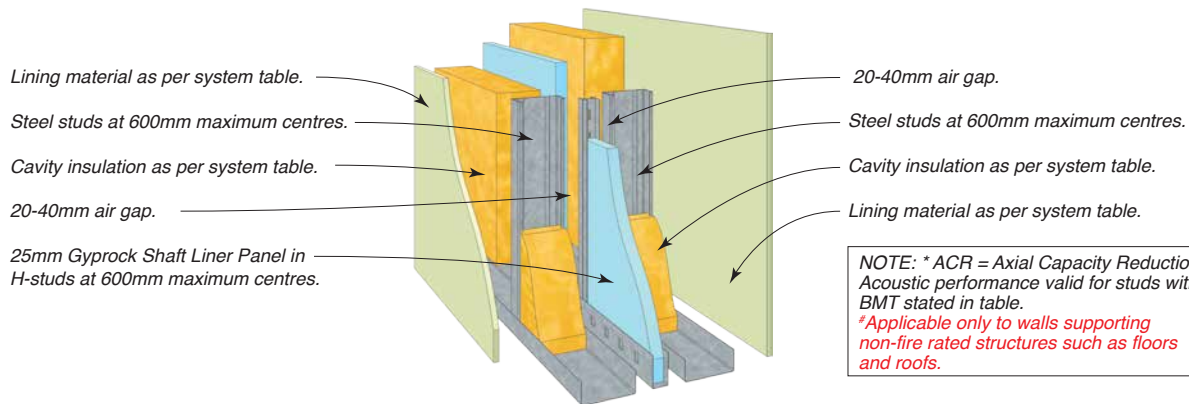
SYSTEM SPECIFICATION Refer to GYP949, Gyprock StrataWall Installation Guide for further information			ACOUSTIC OPINION: PKA Predictor V16 Discontinuous Construction			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	64	76	92
			STUD BMT mm	0.50	0.55	0.55
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}		
- /90/90 90/90/90# EWFA 45743	CSR 1555 	BOTH SIDES • 1 x 6mm CeminSeal Wallboard	(a) 50 GW Acoustigard 11kg – each side	61/48	62/ 50	63/ 51
			(b) 75 GW Acoustigard 14kg – each side	64/ 51	65/ 53	66/ 54
			(c) 60 Soundscreen 1.7 – each side	64/ 51	65/ 53	66/ 54
			Minimum Wall Thickness mm	221	245	277
- /90/90 90/90/90# EWFA 45743	CSR 1560 	SIDE ONE • 1 x 6mm CeminSeal Wallboard SIDE TWO • 1 x 13mm Gyprock Standard Plasterboard.	(a) 50 GW Acoustigard 11kg – each side	61/48	62/49	63/ 51
			(b) 75 GW Acoustigard 14kg – each side	64/ 51	65/ 52	66/ 54
			(c) 60 Soundscreen 1.7 – each side	65/ 52	66/ 53	67/ 55
			Minimum Wall Thickness mm	228	252	284
- /90/90 90/90/90# EWFA 45743	CSR 1565 	BOTH SIDES • 1 x 13mm Gyprock Standard Plasterboard.	(a) 50 GW Acoustigard 11kg – each side	61/48	62/49	62/ 50
			(b) 75 GW Acoustigard 14kg – each side	64/ 51	65/ 52	65/ 53
			(c) 60 Soundscreen 1.7 – each side	64/ 51	65/ 52	65/ 53
			Minimum Thickness mm	235	259	291
- /90/90 90/90/90# EWFA 45743	CSR 1570 	BOTH SIDES • 1 x 13mm Gyprock Aquachek Plasterboard.	(a) 50 GW Acoustigard 11kg – each side	62/49	62/ 50	63/ 51
			(b) 75 GW Acoustigard 14kg – each side	64/ 52	65/ 53	66/ 54
			(c) 60 Soundscreen 1.7 – each side	65/ 52	65/ 53	66/ 54
			Minimum Wall Thickness mm	235	259	291
- /90/90 90/90/90# EWFA 45743	CSR 1575 	SIDE ONE • 1 x 13mm Gyprock Soundchek Plasterboard. SIDE TWO • 1 x 13mm Gyprock Aquachek Plasterboard.	(a) 50 GW Acoustigard 11kg – each side	63/ 50	63/ 51	64/ 52
			(b) 75 GW Acoustigard 14kg – each side	66/ 53	66/ 54	67/ 55
			(c) 60 Soundscreen 1.7 – each side	66/ 53	66/ 54	67/ 55
			Minimum Wall Thickness mm	235	259	291

SECTION E | WALL & CEILING SYSTEMS

REFERRING TO PAGES E13 - E14 OF THE 2017 RED BOOK

The following systems have been updated with an additional **Fire Resistance Level (FRL)** performance option for non-load bearing walls, and a limitation for load bearing walls that support only non-fire rated structures. The Structural Adequacy component of the FRL makes these Party Wall systems suitable for load bearing walls in Class 1 and Class 10 buildings:

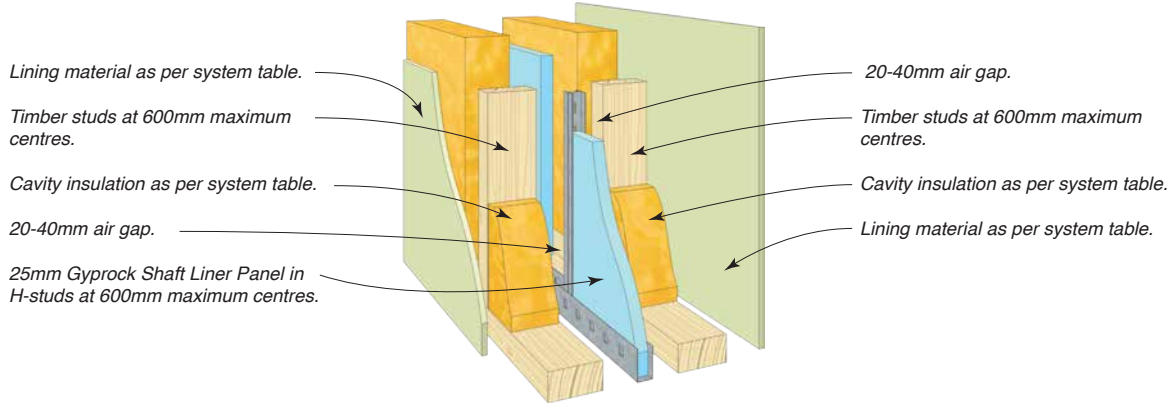
SYSTEM SPECIFICATIONS Steel Frame Internal Wall Systems – Party Wall/StrataWall 25mm with Double Cavity

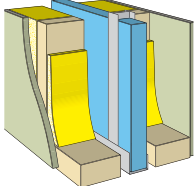
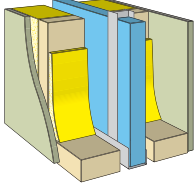
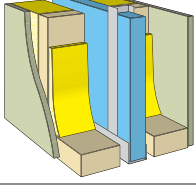
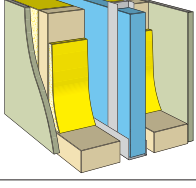


SYSTEM SPECIFICATION Refer to GYP513, Gyprock Party Wall Systems Guide for further information			ACOUSTIC OPINION: PKA Predictor V16 Discontinuous Construction			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	64	76	92
			STUD BMT mm	0.5	0.5	0.55
			CAVITY INFILL (Both sides) (Refer to TABLE B13)	R _w / R _w +C _{tr}		
- /60/60 60/60/60# (from both sides) EWFA 45743 EWFA 24040	CSR 3310 	BOTH SIDES • 1 x 13mm Gyprock EC08 Impact.	(a) 75 GW Acoustigard 11kg	63/50	63/51	64/52
			(b) 88 Soundscreen 2.5	65/52	65/53	66/54
			(c) 110 GW Acoustigard 11kg	64/51	65/53	65/53
			Wall Thickness mm	219	243	275
			- /60/60 60/60/60# (from both sides) EWFA 45743 EWFA 24040	CSR 3311 	BOTH SIDES • 1 x 13mm Gyprock EC08 Impact MR.	(a) 75 GW Acoustigard 11kg
(b) 88 Soundscreen 2.5	65/52	65/53				66/54
(c) 110 GW Acoustigard 11kg	64/51	65/53				65/53
Wall Thickness mm	219	243				275
- /60/60 60/60/60# (from both sides) EWFA 45743 EWFA 27358	CSR 3312 	BOTH SIDES • 1 x 13mm Gyprock EC08 Complete.				(a) 75 GW Acoustigard 11kg
			(b) 88 Soundscreen 2.5	65/52	65/53	66/54
			(c) 110 GW Acoustigard 11kg	64/51	65/53	65/53
			Wall Thickness mm	219	243	275
			- /60/60 60/60/60# (from both sides) EWFA 45743 EWFA 27909	CSR 3332 	BOTH SIDES • 1 x 16mm Gyprock EC08 Complete.	(a) 75 GW Acoustigard 11kg
(b) 88 Soundscreen 2.5	65/53	66/54				67/55
(c) 110 GW Acoustigard 11kg	64/52	66/54				66/54
Wall Thickness mm	225	249				281
- /60/60 60/60/60# (from both sides) EWFA 45743 EWFA 24040	CSR 3341 	BOTH SIDES • 2 x 13mm Gyprock EC08 Impact MR.				(a) 75 GW Acoustigard 11kg
			(b) 88 Soundscreen 2.5	68/56	68/57	69/58
			(c) 110 GW Acoustigard 11kg	67/55	68/57	68/57
			Wall Thickness mm	245	269	301

SYSTEM SPECIFICATIONS

Timber Frame Internal Wall Systems – Party Wall 25mm with Double Cavity



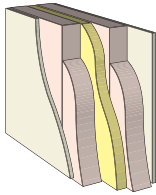
SYSTEM SPECIFICATION Refer to GYP513, Gyprock Party Wall Systems Guide for further information			ACOUSTIC OPINION: PKA Predictor V16 Discontinuous Construction		
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	70	90
			CAVITY INFILL (Both sides) <small>(Refer to TABLE B13)</small>	R _w / R _w +C _{tr}	
60/60/60 (from both sides) EWFA 45743 EWFA 24040	CSR 3360 	BOTH SIDES • 1 x 13mm Gyprock EC08 Impact.	(a) 75 Gold Batts 2.0	62/50	63/51
			(b) 90 Gold Batts 2.7	64/52	65/53
			(c) 88 Soundscreen 2.5	65/53	66/54
			(d) 110 GW Acoustigard 11kg	64/52	65/53
			Wall Thickness mm	231	271
60/60/60 (from both sides) EWFA 45743 EWFA 24040 EWFA 27358	CSR 3365 	SIDE ONE • 1 x 13mm Gyprock EC08 Impact. SIDE TWO • 1 x 13mm Gyprock EC08 Complete.	(a) 75 Gold Batts 2.0	62/50	64/52
			(b) 90 Gold Batts 2.7	64/52	66/54
			(c) 88 Soundscreen 2.5	65/53	67/55
			(d) 110 GW Acoustigard 11kg	64/52	66/54
			Wall Thickness mm	231	271
60/60/60 (from both sides) EWFA 45743 EWFA 24040	CSR 3371 	BOTH SIDES • 1 x 13mm Gyprock EC08 Impact MR.	(a) 75 Gold Batts 2.0	63/51	64/52
			(b) 90 Gold Batts 2.7	65/53	66/54
			(c) 88 Soundscreen 2.5	66/54	67/55
			(d) 110 GW Acoustigard 11kg	65/53	66/54
			Wall Thickness mm	231	271
60/60/60 (from both sides) EWFA 45743 EWFA 27358	CSR 3372 	BOTH SIDES • 1 x 13mm Gyprock EC08 Complete.	(a) 75 Gold Batts 2.0	63/51	64/52
			(b) 90 Gold Batts 2.7	65/53	66/54
			(c) 88 Soundscreen 2.5	66/54	67/55
			(d) 110 GW Acoustigard 11kg	65/53	66/54
			Wall Thickness mm	231	271

SECTION F | MASONRY WALL SYSTEMS

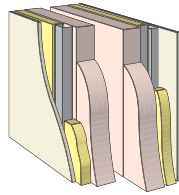
REFERRING TO PAGE F19 OF THE 2017 RED BOOK

Please be aware that the following Hebel systems have been deleted:

Hebel 1048



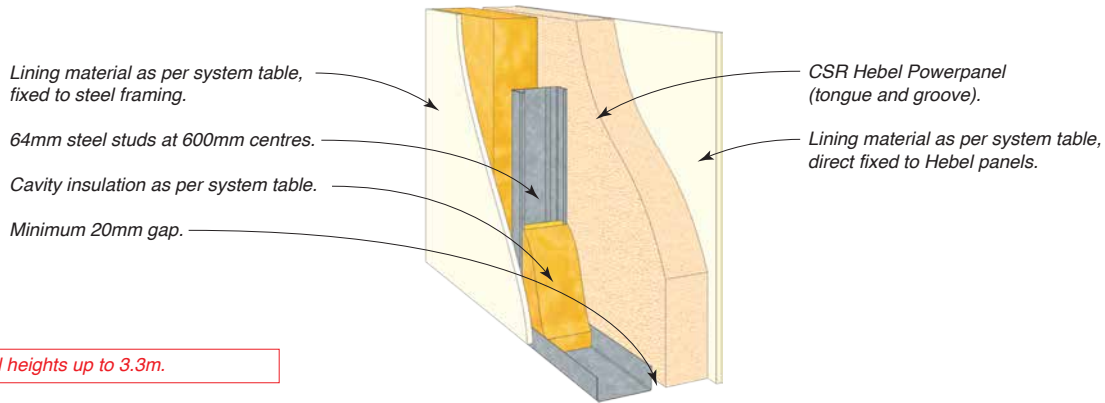
Hebel 1062



REFERRING TO PAGES F20 - F21 OF THE 2017 RED BOOK

The following systems have been updated with **corrected Fire Resistance Level (FRL) performance test references, cavity and insulation configurations, and wall thickness details:**

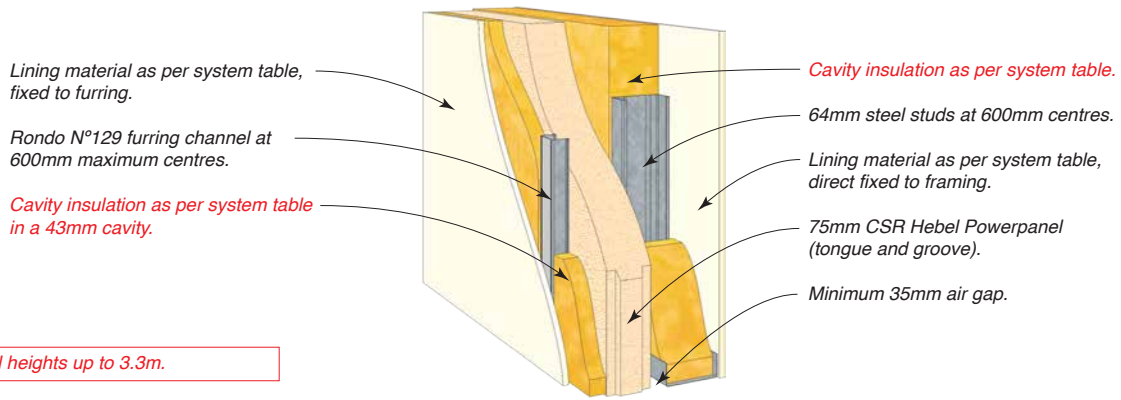
SYSTEM SPECIFICATIONS CSR Hebel Internal Wall Systems – Steel Stud + PowerPanel



*For wall heights up to 3.3m.

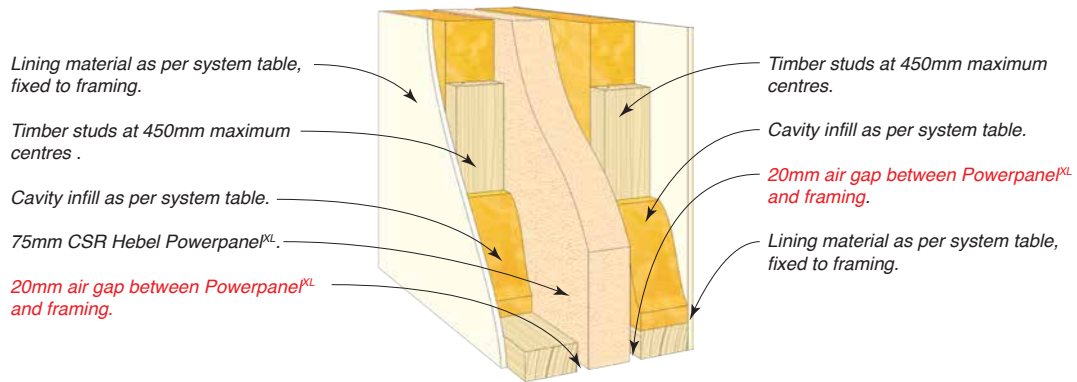
SYSTEM SPECIFICATION Refer to Hebel for further information			ACOUSTIC LOGIC OPINION: 20140366.9/1606A/R8/GW & 20140366.30/2702A/R0/GW Discontinuous Construction	
FRL Report/Opinion	SYSTEM N°	WALL LININGS	CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}
Up to - /90/90* (from both sides) FCO 3036	HEB1072 	BOTH SIDES • 1 x 13mm Gyprock Standard Plasterboard.	(a) 75 GW Acoustigard 11kg	61/50
			(b) Martini Prime 75	61/50
			Wall Thickness mm	185

SYSTEM SPECIFICATIONS CSR Hebel Internal Wall Systems – Steel Furring + PowerPanel + Steel Stud



*For wall heights up to 3.3m.

SYSTEM SPECIFICATION Refer to Hebel for further information			ACOUSTIC LOGIC OPINION: 20140366.9/1606A/R8/GW & 20140366.30/2702A/R0/GW Discontinuous Construction		
FRL Report/Opinion	SYSTEM N°	WALL LININGS	FURRING CAVITY INFILL (Refer to TABLE B13)	STUD CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}
Up to - /90/90* (from both sides) FCO 3036	HEB1074 	BOTH SIDES • 1 x 13mm Gyprock Standard Plasterboard.	(a) 50 GW Acoustigard 11kg	(a) 75 GW Acoustigard 11kg	64/50
			(b) 50 GW Acoustigard 11kg	(b) Martini Prime 75	64/50
			(c) Martini Prime 50	(c) 75 GW Acoustigard 11kg	64/50
			(d) Martini Prime 50	(d) Martini Prime 75	64/50
			Wall Thickness mm	243	



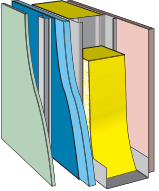
SYSTEM SPECIFICATION				ACOUSTIC LOGIC OPINION: 2010861.19/0508A/R3/GW		
Refer to Hebel Low Rise Multi-Residential Intertency Walls Guide for further information				Discontinuous Construction		
FRL Report/Opinion	System Icon	WALL LININGS	SYSTEM N°	STUD DEPTH mm	70	90
				CAVITY INFILL (both sides) <small>(Refer to TABLE B13)</small>	R _w / R _w +C _{tr}	
- /90/90 90/90/90 WFRA 45771.15		BOTH SIDES • 1 x 10mm Gyprock Plus Plasterboard. • Studs at 450mm maximum centres.	HEB1900	Nil	42/34	44/35
			HEB1901	90 Gold Batts 2.0 – both sides	61/51	63/54
			HEB1902	(a) Prime 50 – both sides	60/50	–
				(b) Prime 75 – both sides	–	62/52
			Wall Thickness mm			
- /90/90 90/90/90 WFRA 45771.15		BOTH SIDES • 1 x 13mm Gyprock Standard Plasterboard. • Studs at 450mm maximum centres.	HEB1903	Nil	43/34	45/36
			HEB1904	90 Gold Batts 2.0 – both sides	64/52	67/55
			HEB1905	(a) Prime 50 – both sides	63/50	–
				(b) Prime 75 – both sides	–	66/53
			Wall Thickness mm			
- /90/90 90/90/90 WFRA 45771.15		BOTH SIDES • 1 x 13mm Gyprock Soundchek Plasterboard. • Studs at 450mm maximum centres.	HEB1906	Nil	44/35	45/36
			HEB1907	90 Gold Batts 2.0 – both sides	67/55	70/58
			HEB1908	(a) Prime 50 – both sides	66/53	–
				(b) Prime 75 – both sides	–	69/56
			Wall Thickness mm			
- /90/90 90/90/90 WFRA 45771.15		BOTH SIDES • 1 x 10mm Gyprock Aquachek Plasterboard. • Studs at 450mm maximum centres.	HEB1909	Nil	43/34	45/36
			HEB1910	90 Gold Batts 2.0 – both sides	64/52	67/55
			HEB1911	(a) Prime 50 – both sides	63/50	–
				(b) Prime 75 – both sides	–	66/53
			Wall Thickness mm			
- /90/90 90/90/90 WFRA 45771.15		BOTH SIDES • 1 x 9mm CeminSeal Wallboard. • Studs at 450mm maximum centres.	HEB1912	Nil	44/35	45/36
			HEB1913	90 Gold Batts 2.0 – both sides	67/55	70/58
			HEB1914	(a) Prime 50 – both sides	66/53	–
				(b) Prime 75 – both sides	–	69/56
			Wall Thickness mm			

SECTION G | EXTERNAL WALL SYSTEMS

REFERRING TO PAGE G17 OF THE 2017 RED BOOK

The following system has been updated with **corrected ACR**:

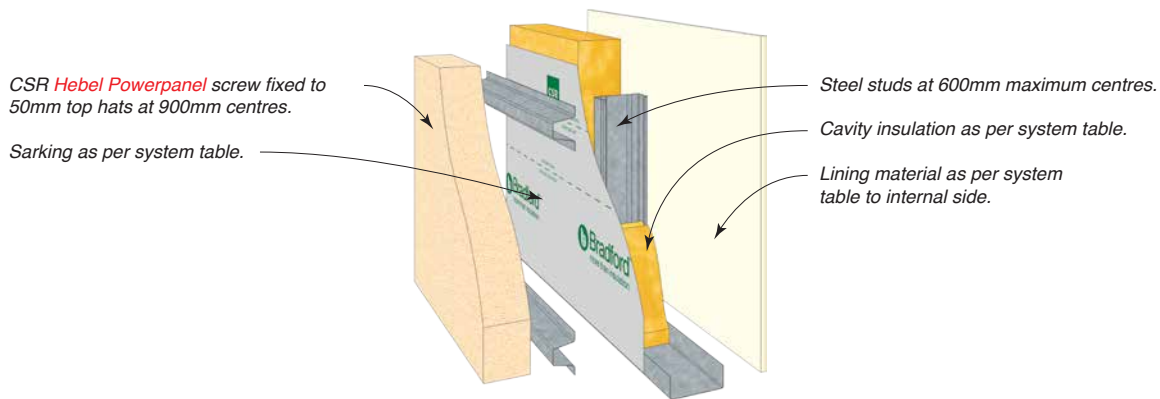
SYSTEM SPECIFICATIONS Cemintel Cladding Sheet – With Cavity – Steel Frame

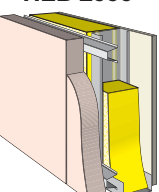
SYSTEM SPECIFICATION			ACOUSTIC OPINION: PKA-A119					
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	90	THERMAL			
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}	Enviroseal ProctorWrap		Wall Wrap XP	
					R _t (SUM)	R _t (WIN)	R _t (SUM)	R _t (WIN)
60/60/60 90/90/90* (from both sides) *ACR 15% FAR2357	CSR 5168 	EXTERNAL WALL SIDE	(a) 75 Acoustigard R1.7	47/37	2.3	2.4	2.3	3.0
		• 1 x 16mm Gyprock Fyrchek MR Plasterboard.	(b) 90 Acoustigard R2.2	48/38	2.6	2.8	3.1	3.4
		INTERNAL WALL SIDE	(c) 90 Acoustigard R2.5	48/38	2.9	3.1	3.3	3.7
		• 1 x 16mm Gyprock Fyrchek Plasterboard.	Wall Thickness mm	163				

REFERRING TO PAGE G30 OF THE 2017 RED BOOK

The following systems have been updated with **corrected acoustic performance test references, cavity configurations, wall thickness and stud depth details, acoustic and thermal performance values, and lining materials**:

SYSTEM SPECIFICATIONS Hebel PowerPanel Wall – With Cavity – Steel Frame

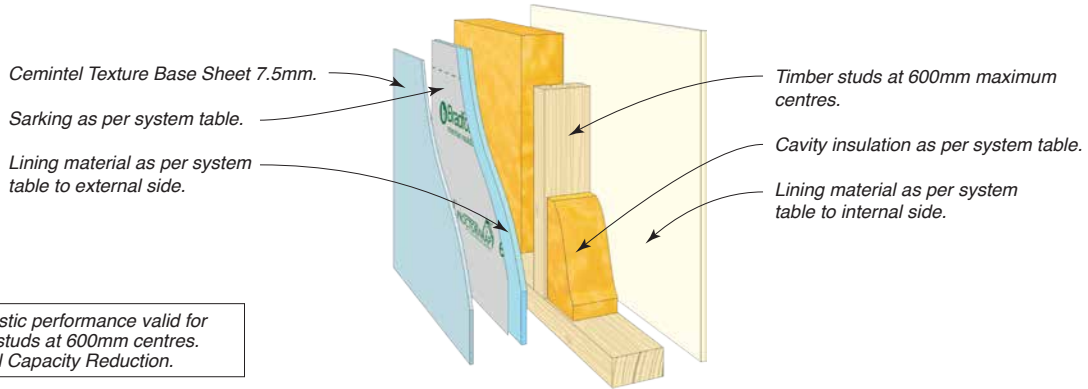


SYSTEM SPECIFICATION			ACOUSTIC LOGIC OPINION: 2010861.14/1107A/R4/GW			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	92	THERMAL	
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}	Enviroseal ProctorWrap	
					R _t (SUM)	R _t (WIN)
- /120/120 (from outside only) FCO 2532	HEB 2000 	INTERNAL WALL SIDE	(a) 90 Gold Batts R2.0	50/41	2.94	3.15
		• 1 x 13mm Gyprock Standard Plasterboard.	Wall Thickness mm	235		

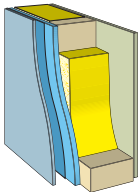
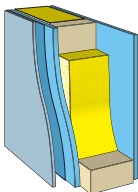
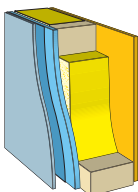
REFERRING TO PAGES G35 - G36 OF THE 2017 RED BOOK

The following systems have been updated with **corrected FRL performance test references**:

SYSTEM SPECIFICATIONS Cemintel Texture Base Sheet – Direct Fixed – Timber Frame



NOTE: Acoustic performance valid for 35mm wide studs at 600mm centres.
*ACR = Axial Capacity Reduction.

SYSTEM SPECIFICATION			ACOUSTIC OPINION: PKA-A119			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	90	THERMAL	
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}	Enviroseal ProctorWrap	
		R _t (SUM)			R _t (WIN)	
60/60/60 (from outside only) FAR 2303	CSR 5612 	EXTERNAL WALL SIDE • 1 x 16mm Gyprock Fyrchek MR Plasterboard. INTERNAL WALL SIDE • 1 x 10mm Gyprock Sensitive Plasterboard.	(a) 75 Gold Batts R1.5	44/35	1.9	2.0
			(b) 90 Gold Batts R2.0	44/35	2.2	2.4
			(c) 90 Gold Batts R2.5	45/36	2.6	2.9
			Wall Thickness mm	127		
60/60/60 (from outside only) FAR 2303	CSR 5613 	EXTERNAL WALL SIDE • 1 x 16mm Gyprock Fyrchek MR Plasterboard. INTERNAL WALL SIDE • 1 x 10mm Gyprock Aquachek Plasterboard.	(a) 75 Gold Batts R1.5	44/35	1.9	2.0
			(b) 90 Gold Batts R2.0	44/35	2.2	2.4
			(c) 90 Gold Batts R2.5	45/36	2.6	2.9
			Wall Thickness mm	127		
60/60/60 (from outside only) FAR 2303	CSR 5614 	EXTERNAL WALL SIDE • 1 x 16mm Gyprock Fyrchek MR Plasterboard. INTERNAL WALL SIDE • 1 x 10mm Gyprock Soundchek Plasterboard.	(a) 75 Gold Batts R1.5	45/36	1.9	2.0
			(b) 90 Gold Batts R2.0	45/36	2.2	2.4
			(c) 90 Gold Batts R2.5	46/37	2.6	2.9
			Wall Thickness mm	127		

REFERRING TO PAGES G5, G16 - G17 AND G39 - G41 OF THE 2017 RED BOOK

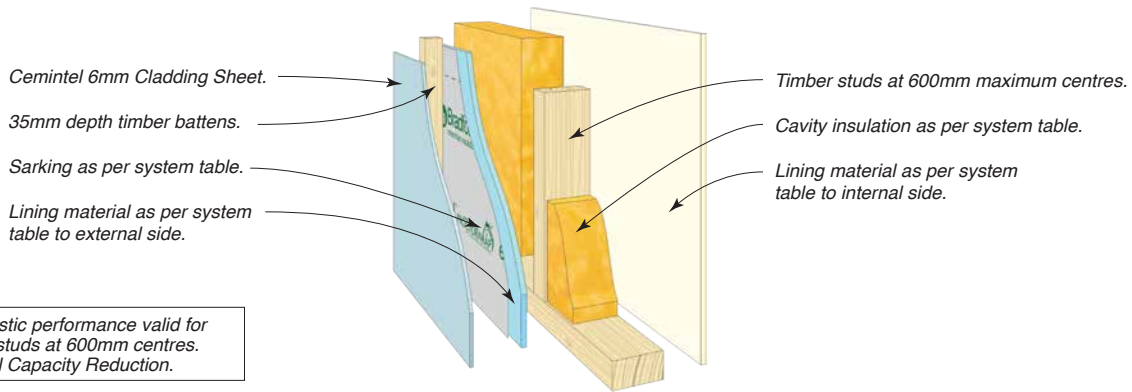
Expanding on information provided pertaining to Fire Resistance Level for External Walls, the following systems feature cladding options which **may be substituted with any alternative cladding materials** to achieve the stated FRL. Limitations on cladding materials may apply for buildings in bushfire areas and for building types with specifications concerning combustibility of materials, and other performance values may be affected:

Steel Framing	Timber Framing
System No.	System No.
CSR 5152	CSR 5703
CSR 5160	CSR 5706
CSR 5161	CSR 5709
CSR 5162	CSR 5711
CSR 5163	CSR 5712
CSR 5164	CSR 5713
CSR 5168	CSR 5714
CSR 5170	CSR 5716
CSR 5172	CSR 5718
CSR 5174	CSR 5720
	CSR 5722
	CSR 5724

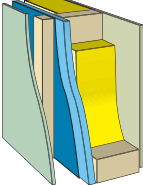
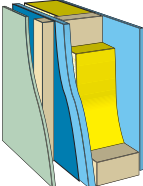
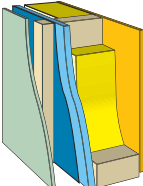
REFERRING TO PAGES G39 - G40 OF THE 2017 RED BOOK

The following systems have been updated with **corrected ACR and test references**:

SYSTEM SPECIFICATIONS **Cemintel Cladding Sheet – With Cavity – Timber Frame**



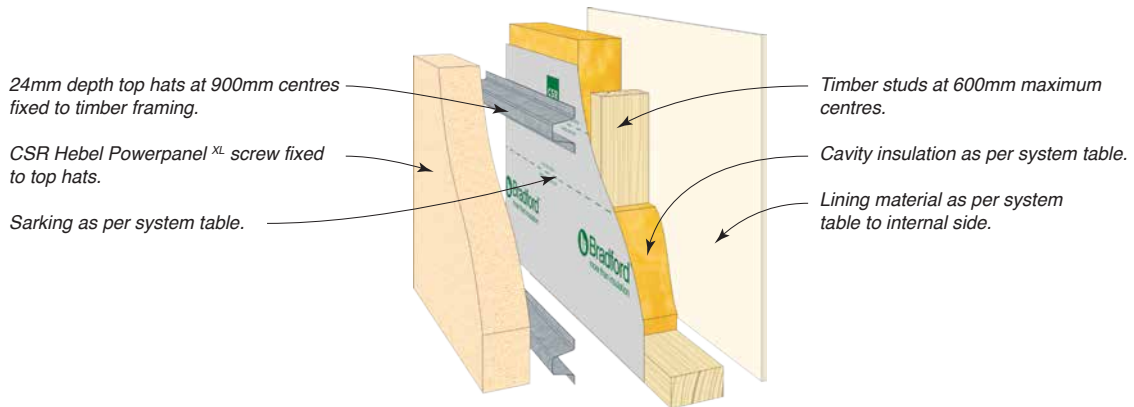
NOTE: Acoustic performance valid for 35mm wide studs at 600mm centres.
*ACR = Axial Capacity Reduction.

SYSTEM SPECIFICATION			ACOUSTIC OPINION: PKA-A119					
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	90	THERMAL			
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}	Enviroseal ProctorWrap		Wall Wrap XP	
					R _t (SUM)	R _t (WIN)	R _t (SUM)	R _t (WIN)
60/60/60* (from outside only) *ACR Group 2 FAR 2303	CSR 5712 	EXTERNAL WALL SIDE	(a) 75 Gold Batts R1.5	41/30	2.1	2.2	2.5	2.8
		• 1 x 16mm Gyprock Fyrchek MR Plasterboard.	(b) 90 Gold Batts R2.0	41/30	2.4	2.6	2.9	3.2
		INTERNAL WALL SIDE	(c) 90 Gold Batts R2.5	42/31	2.7	3.1	3.3	3.7
		• 1 x 10mm Gyprock Sensitive Plasterboard.	Wall Thickness mm	157				
60/60/60* (from outside only) *ACR Group 2 FAR 2303	CSR 5713 	EXTERNAL WALL SIDE	(a) 75 Gold Batts R1.5	41/30	2.1	2.2	2.5	2.8
		• 1 x 16mm Gyprock Fyrchek MR Plasterboard.	(b) 90 Gold Batts R2.0	41/30	2.4	2.6	2.9	3.2
		INTERNAL WALL SIDE	(c) 90 Gold Batts R2.5	42/31	2.7	3.1	3.3	3.7
		• 1 x 10mm Gyprock Aquachek Plasterboard.	Wall Thickness mm	157				
60/60/60* (from outside only) *ACR Group 2 FAR 2303	CSR 5714 	EXTERNAL WALL SIDE	(a) 75 Gold Batts R1.5	42/32	2.1	2.2	2.5	2.8
		• 1 x 16mm Gyprock Fyrchek MR Plasterboard.	(b) 90 Gold Batts R2.0	42/32	2.4	2.6	2.9	3.2
		INTERNAL WALL SIDE	(c) 90 Gold Batts R2.5	43/33	2.7	3.1	3.3	3.7
		• 1 x 10mm Gyprock Soundchek Plasterboard.	Wall Thickness mm	157				

REFERRING TO PAGE G52 OF THE 2017 RED BOOK

The following systems have been updated with deletion of system HEB 1403, and the addition of new systems HEB 1724, HEB 1725, HEB 1726, HEB 1727 and HEB 1729:

SYSTEM SPECIFICATIONS Hebel PowerPanel^{XL} Wall – With Cavity – Timber Frame



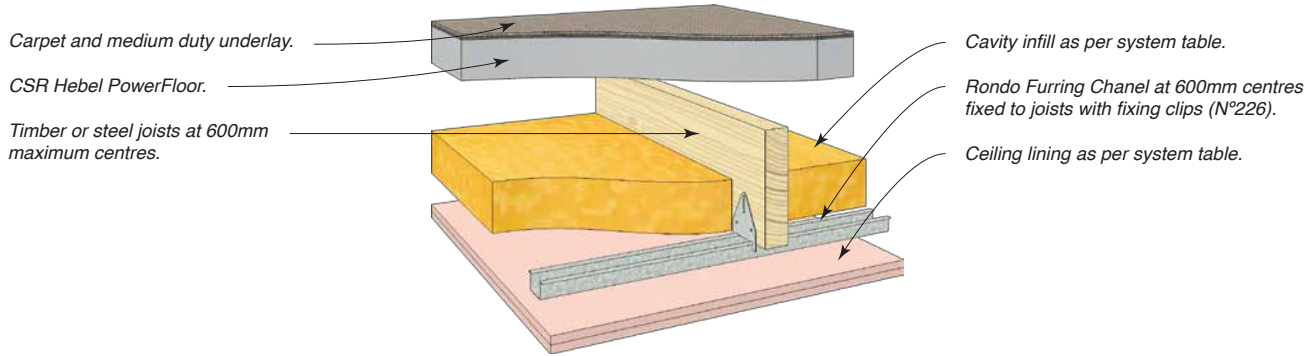
SYSTEM SPECIFICATION			ACOUSTIC LOGIC OPINION: 20140366.34/1909A/R3/GW			
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	90	THERMAL	
			CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}	R _t (SUM)	R _t (WIN)
180/180/180 (from outside only) FCO 3003	HEB 1724 	INTERNAL WALL SIDE • 1 x 10mm Gyprock Plus Plasterboard.	(a) Nil	38/23	2.0	2.2
			Wall Thickness mm	199	Thermoseal Wall Wrap XP Plus	
180/180/180 (from outside only) FCO 3003	HEB 1725 	INTERNAL WALL SIDE • 1 x 10mm Gyprock Plus Plasterboard.	(a) Nil	38/23	2.2	2.4
			Wall Thickness mm	199	Polyair Performa 4.0 XHD	
180/180/180 (from outside only) FCO 3003	HEB 1726 	INTERNAL WALL SIDE • 1 x 10mm Gyprock Plus Plasterboard.	(a) 90 Gold Batts R2.0	41/26	3.4	3.7
			Wall Thickness mm	199	Thermoseal Wall Wrap XP	
180/180/180 (from outside only) FCO 3003	HEB 1727 	INTERNAL WALL SIDE • 1 x 10mm Gyprock Plus Plasterboard.	(a) 90 Gold Batts R2.5	41/26	3.5	3.7
			Wall Thickness mm	199	Enviroseal ProctorWrap RW	
180/180/180 (from outside only) FCO 3003	HEB 1729 	INTERNAL WALL SIDE • 1 x 10mm Gyprock Plus Plasterboard.	(a) 90 Gold Batts R2.7	41/26	3.6	3.9
			Wall Thickness mm	199	Enviroseal ProctorWrap RW	

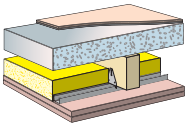
SECTION H | CEILING SYSTEMS

REFERRING TO PAGE H54 OF THE 2017 RED BOOK

The following system has been updated with **corrected acoustic details**:

SYSTEM SPECIFICATIONS Ceiling – Hebel PowerFloor on Joists – Fire Rated from Above &/or Below



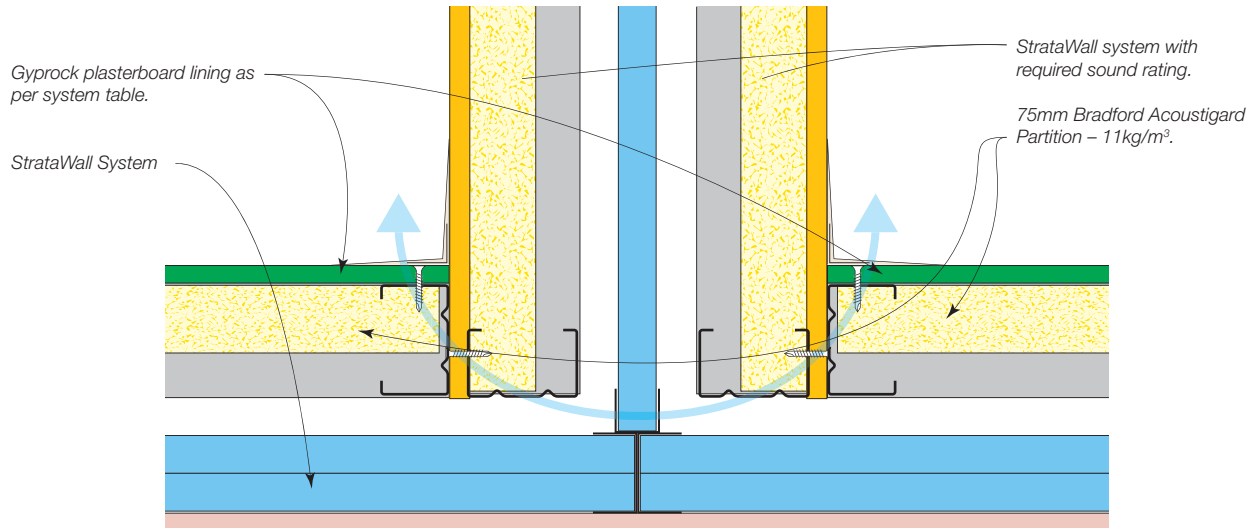
SYSTEM SPECIFICATION Refer to GYP548, Gyprock Commercial Installation Guide for further information			ACOUSTIC OPINION: PKA-A150		
FRL Report/Opinion	SYSTEM N°	CEILING LININGS	CAVITY INFILL (Refer to TABLE B13)	R _w / R _w +C _{tr}	L _{n,w}
240 minutes (from above) FCO 1303 90/90/90 from below EWFA 26162	Heb 1604 	<ul style="list-style-type: none"> 2 x 16mm Gyprock Fyrcek Plasterboard. 	(a) 90 Gold Batts 2.0	58/52	32

SECTION J | FLANKING PATH SYSTEMS

REFERRING TO PAGE J17 OF THE 2017 RED BOOK

The following systems have been listed with incorrect system numbers, **correct system numbers** are listed below:

SYSTEM SPECIFICATIONS Flanking Path via Wall – StrataWall to StrataWall Junction



SYSTEM SPECIFICATION		ACOUSTIC OPINION: PKA-A126
SYSTEM N°	WALL LININGS	R _w / R _w +C _{tr}
CSR 8670	1 x 13mm Gyprock Standard plasterboard.	58/50
CSR 8672	1 x 13mm Gyprock Aquachek plasterboard.	58/50
CSR 8674	1 x 13mm Gyprock Soundchek plasterboard.	58/50
CSR 8676	1 x 6mm CeminSeal wallboard.	58/50
CSR 8678	1 x 9mm CeminSeal wallboard.	58/50

Health & Safety

Information on any known health risks of our products and how to handle them safely is on their package and/or the documentation accompanying them.

Additional information is listed in the Material Safety Data Sheet. To obtain a copy, telephone 1300 306 556 or visit www.gyprock.com.au/msds.

Disclaimer

This guide is current at October 2017. CSR has taken all reasonable care in producing this guide, however CSR makes no representations or warranties, express or implied, as to the accuracy, reliability or completeness of the guide, and disclaims all liability, direct or indirect (and whether or not arising out of the negligence, default or lack of care of CSR) for any loss or damage (whether foreseeable or not) suffered by the recipient or any other person arising out of, or in connection with, any use or reliance by any of them on the guide. Liability which cannot legally be excluded is limited to the maximum extent possible.

Information including acoustic and fire ratings have been sourced from recognised third parties and is current at the time of printing. Systems, Standards and Building Codes are subject to change. It remains the responsibility of the building designer to verify these systems are suitable for the particular requirements of any given project. To ensure the information is current, check the websites or contact CSR.

GYP500 Addendum November 2017

CSR Gyprock, CSR Building Products A.B.N. 55 008 631 356.
The following are trade marks of CSR Limited and are under license. CSR, Gyprock®, Soundchek™, Aquachek™, Impactchek™, Superchek™, Fyrchek™, EC08™, Supacell™, Bradford™, Martini™, DesignLINK™, Ceilctor™.
© CSR Limited 2017. Except as provided by the Copyright Act 1968, no part of this publication may be reproduced in any form or by any means without the prior written permission of CSR Limited.
GYP500.ADD1.BMS1524.1117

Warranty

Gyprock products are designed to achieve optimal performance when part of a CSR integrated system.

CSR Building Products Limited warrants its Australian made Gyprock products to remain free of defects in material and manufacture for the usual lifetime of the product (25 years). CSR warrants its International Alliance Gyprock products to remain free of defects in material and manufacture for 7 years.

For details on our product warranty, please visit www.gyprock.com.au, or contact us on 1300 306 556.

Contact Details

CSR Gyprock

www.gyprock.com.au
Telephone: 1300 306 556
Facsimile: 1800 646 364

DesignLINK Technical Support Service

Telephone: 1800 621 117
Facsimile: 1800 069 904
Email: designlink@csr.com.au

New South Wales and ACT

376 Victoria Street,
Wetherill Park NSW 2164

Queensland

768 Boundary Road,
Coopers Plains QLD 4108

Victoria

277 Whitehall Street,
Yarraville VIC 3013

South Australia

Lot 100 Sharp Court,
Mawson Lakes SA 5095

Western Australia

19 Sheffield Road,
Welshpool WA 6106

Tasmania

PO Box 61,
Glenorchy TAS 7010

Northern Territory

Cnr Stuart Hwy & Angliss St,
Berrimah NT 0828