

REPORT LINK	SEPARATING ELEMENT	JOINT/SERVICE SUMMARY	FIRE RESISTANCE LEVEL (FRL)	STANDARD COMPLIANCE	ORIENTATION	SEAL CONFIGURATION			REPORT TYPE/NUMBER	
						BOTH FIRE & NON-FIRE SIDE	FIRE SIDE ONLY	NON-FIRE SIDE ONLY	FIRE TEST	ASSESS- MENT
		PLASTERBOARD - CONTROL JOINTS								
1A	90mm/96mm thick wall - 1x 13mm, 1x 16mm layer, 116mm/128mm thick wall - 2x 13mm, 2x 16mm layer and 142mm thick wall - 3x 13mm layer Fire-rated Plasterboard Wall Joints*	Board variable, up to 20mm wide joints at head, base, perimeter and centre of wall (control joint). Various control joint finishing details either standard/flush finished direct to board edge, with stopping angles or with RONDO P35 control joint cover. Double and triple layer systems with head, base and perimeter joints backed by either steel track/studs or open cell foam backing rod. Full integrity and insulation FRL for all joints and layer configurations with min. 64mm deep stud.	-/60/60 for 1x 13mm layer, -/90/90 for 1x 16mm layer, -/120/120 for 2x 13mm layers, -/180/180 for 2x 16mm layers, -/180/180 for 3 x 13mm layers.**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	No	No	NA	FC18036-01-3
1B	90mm thick wall - 1x 13mm layer Fire Rated Plasterboard Wall Joints*	40mm wide x 13mm deep deflection head joint (includes various pipe and cable penetrations)	-/90/60 (service E, control Joint)	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	EWFA 44715000.1	NA
1C	90mm/96mm thick wall - 1x 13mm & 1x 16mm layer Fire Rated Plasterboard Wall Joints*	10-20mm wide x 13mm deep joints & 10-20mm wide x 16mm deep joints at head, base, perimeter and centre of wall (centre wall joints 15mm wide x 13mm & 16mm deep.)	up to -/120/90**	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	FRT 210007 R1.0	NA
1D	116mm/128mm thick wall - 2x 13mm & 2x 16mm layer Fire Rated Plasterboard Wall Joints*	10-20mm wide x 26mm deep Joints, 10-20mm wide x 32mm deep joints & 15mm wide x 20mm deep joints at head, base, perimeter and centre of wall (centre wall joints 15mm wide x 13mm deep)	up to -/180/180**	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	FRT 210008	NA
1E	90mm/96mm thick wall - 1x 13mm & 1x 16mm layer Fire-rated Plasterboard wall joints*	20mm wide x 13mm deep control joints with stopping angles (1x13mm layer) and 20mm wide x 20mm deep control joints with stopping angles (1x16mm layers.)	-/120/60 for 1x13mm layer, and -/120/60 for 1x 16mm layer.	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	FRT 220129	NA
1F	116mm/142mm thick wall - 2x13mm & 3x13mm layer Fire-rated Plasterboard wall joints*	20mm wide joints x 26mm deep control joints with stopping angles (2x13mm and 3x13mm layers.) 20mm wide x 20mm deep joints backed with open cell foam backing rod at head, perimeter and base of wall (2x13mm layers) and 20mm wide x 26mm deep joints backed with open cell foam backing rod at head, perimeter and base of wall (3x13mm layers.)	up to -/180/180**	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	FRT 220130 R1.1	NA
1G	90mm/96mm thick wall - 1x 13mm & 1x16mm layer Fire-rated Plasterboard wall control joints*	20mm wide x 22 mm deep control joints & 20mm wide x 22mm deep control joints with Rondo P35 Control Joint cover (1x16mm layers.) 20mm wide x 22mm deep control joints with Rondo P35 Control Joint cover (1x13mm layers.)	up to -/90/90**	AS 1530.4 (2014)	Vertical (Control Joints)	Yes	No	No	FP18716-01	NA
1H	96mm thick wall - 1x16mm layer Fire-rated Plasterboard wall joints*	40mm wide x 16mm deep joint at head of wall & 20mm wide x 26mm deep joints at base and perimeter/edge of wall. Incorporates 1mm silicone bond breaker tape at perimeter/edge joints - full scale wall with all joints replicated for FulaFlex FR.	-/90/90	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	FR21125-01	NA

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Ref Only (Available upon request from H.B. Fuller)	128mm thick wall - 2x 16mm layer Fire Rated Plasterboard Wall Joints*	Reference only (1997) 6-20mm wide x 16mm deep joints & 15mm wide x 20mm deep joints at head, perimeter, base and centre of wall (head, base & perimeter joints sealed to depth of first layer only, centre wall joint 15mm wide x 20mm deep with Rondo P35 control joint cover)	up to -/180/180**	AS 1530.4 (1997) & AS 4072.1 (1992)	Horizontal & Vertical	Yes	No	No	WFRA 40922	NA
Ref Only (Available upon request from H.B. Fuller)	90mm/96mm thick wall - 1x 13mm, 1x 16mm layer & 2x 13mm, 2x 16mm layer Fire Rated Plasterboard Wall Joints* Superseded by FC 18036-01-3	Board variable, 13-20mm wide x 13mm deep joints, 15-20mm wide x 16mm deep joints, 13-20mm wide x 26mm deep joints, and 15-20mm wide x 32mm deep joints at head, base, perimeter and centre of wall.	up to -/60/60 for 1x 13mm layer, up to -/90/90 for 1x 16mm layer, up to -/120/120 for 2x 13mm layers, up to -/180/180 for 2x 16mm layers, up to -/180/180 for 3 x 13mm layers**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	No	No	NA	FAS 210209
		PLASTERBOARD - SERVICE PENETRATIONS								
2A	90mm thick wall - 1x 13mm Fire Rated Plasterboard Pipe and Cable Penetrations*	CAT 6 & TPS Cables, D2 comms. cable tray, single cable, 32NB galv. steel pipe, D1 power cable tray, 40mm repair hole on fire side only (Includes 40mm wide x 10mm deep deflection head joint)	up to -/90/60**	AS 1530.4 (2014)	Vertical	Yes	No	No	EWFA 44715000.1	NA
2B	116mm thick wall - 2x 13mm Fire Rated Plasterboard Pipe and Cable Penetrations*	TPS cables, group A&B cable trays, 25mm & 32mm galv. steel pipes	up to -/180/180**	AS 1530.4 (2014)	Vertical	Yes	No	No	EWFA 48763900.1	NA
Ref Only (Available upon request from H.B. Fuller)	116mm thick wall - 2x 13mm Fire Rated Plasterboard Pipe and Cable Penetrations*	Reference only (1997) 100mm brass & 150mm copper pipes, comms. & power cable trays.	up to -/90/90**	AS 1530.4 (1997)	Vertical	Yes	No	No	WFRA 41118.1	NA
		AERATED CONCRETE - CONTROL JOINTS								
3A	75mm thick Aerated Concrete Wall Joints*	10mm wide x 10mm deep & 20mm wide x 16mm deep control joints at head and perimeter of wall. (Includes vertical control joint & specified typical details) Refer 3D for 120mm-175mm thick walls floors.	up to -/120/120**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes (Vertical Control Joint)	Yes (Head & Perimeter Joints)	Yes (Head & Perimeter Joints)	NA	FAS 200410 R1.1
3B	75mm thick Aerated Concrete Wall Joints*	10mm wide x 10mm deep joints at head & perimeter of wall (refer FRT 210084.R1.0 for 16mm wide joints)	-/120/120	AS 1530.4 (2014)	Horizontal & Vertical	No	No	Yes	FRT 210226 R1.0	NA
3C	75mm thick Aerated Concrete Wall Joints*	20mm wide x 16mm deep joints at head & perimeter of wall (refer FRT 210226 R1.0 for 10mm wide joints)	-/120/120	AS 1530.4 (2014)	Horizontal & Vertical	No	No	Yes	FRT 210084 R1.0	NA
3D	120mm-175mm thick Aerated Concrete Wall & Floor Joints (various seal configurations)*	10-50mm wide joints sealed both sides & 10-35mm Joints double caulked from one side. Includes Firesound/FulaFlex FR interchangeably for all double sided wall and floor configurations ie Same sealant both sides or Firesound internal side/FulaFlex FR external side of wall. (includes normal weight concrete and lightweight/aerated concrete)	up to -/240/240 for both sides & double caulked joints.**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal (Incl. head joints) & Vertical	Yes	Yes double caulked from one side only	Yes double caulked from one side only	NA	FC21185-01-1
Ref Only (Available upon request from H.B. Fuller)	150mm thick Aerated Concrete Wall Joints*	Reference only (2005) 2x 75mm layer (150mm thick) wall - 20mm wide x 10mm deep horizontal joint mid-wall (also includes various pipe & cable penetrations)	up to -/180/180**	AS 1530.4 (2005) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	No	No	WFRA 41257.2	NA
Ref Only (Available upon request from H.B. Fuller)	120mm-175 mm thick Concrete Wall & Floor Joints (various seal configurations)* Superseded by FC 21185-01-1	10-50mm wide joints sealed both sides, 10-35mm wide joints sealed fire side only, 20-35mm wide joints sealed non-fire side only & 10-35mm joints double caulked from one side (includes normal weight concrete and solid/hollow masonry block)	up to -/240/240 for both sides & double caulked joints, up to -/240/240 for non-fire side only & firesound only (max. 10mm wide joints for full FRL when sealed one side only)**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	Yes	Yes	NA	FAS 200118 R1.2

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		AERATED CONCRETE - SERVICE PENETRATIONS								
4A	150mm thick Aerated Concrete Wall & Floor Penetrations*	AS 1530.4 Appendix D1 power & D2 comms. cables, single comms. cable, 22mm, 32mm & 80mm steel sprinkler pipe, 100mm, 125mm & 150mm copper pipe, 32mm-65mm & 80-100mm brass/copper pipe (includes normal weight concrete.)	up to -/180/180 for wall penetrations & up to -/240/120 for floor penetrations**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	No	No	NA	27001 R4.1
Ref Only (Available upon request from H.B. Fuller)	150mm thick Aerated Concrete Wall Penetrations**	Reference only (2005) 2x 75mm layer (150mm thick) wall - 100mm copper pipe, 22mm, 32mm & 80mm steel sprinkler pipes, a single comms. cable, power and comms. cables on trays (also includes control joint)	up to -/180/180**	AS 1530.4 (2005) & AS 4072.1 (2005)	Horizontal	Yes	No	No	WFRA 41257.2	NA
		CONCRETE - CONTROL JOINTS								
5A	120mm-175 mm thick Concrete Wall & Floor Joints (various seal configurations)*	10-50mm wide joints sealed both sides & 10-35mm joints double caulked from one side. Includes Firesound/FulaFlex FR interchangeably for all double sided wall and floor configurations ie Same sealant both sides or Firesound internal side/FulaFlex FR external side of wall. (includes lightweight/aerated concrete and solid/hollow masonry block)	up to -/240/240 for both sides & double caulked joints**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal (Incl. head joints) & Vertical	Yes	Yes double caulked from one side only	Yes double caulked from one side only	NA	FC21185-01-1
5B	175mm thick Concrete Wall Joints sealed both sides*	20mm wide x 10mm deep & 40mm wide x 20mm deep joints, sealed both sides	-/240/240	AS 1530.4 (2014)	Vertical	Yes	No	No	FRT 190135 R1.0	NA
5C	150mm thick Concrete Wall Joints sealed non-fire side only*	10mm wide x 10mm deep, 20mm wide x 15mm deep & 35mm wide x 25mm deep Joints, sealed non-fire side only	up to -/240/180**	AS 1530.4 (2014)	Vertical	No	No	Yes	FRT 200212 R1.1	NA
5D	150mm thick Concrete Wall Joints sealed fire side only & double caulked*	10-35mm Joints, sealed fire side only & 10-35mm joints double caulked from one side	up to -/240/240**	AS 1530.4 (2014)	Vertical	No	Yes	No	FRT 200323 R1.1	NA
5F	150mm thick Concrete Floor Joints sealed both sides*	30mm wide x 15mm deep, and 50mm wide x 25mm deep joints sealed both sides (includes 10mm, 20mm & 30mm wide joints sealed with FulaFlex FR)	-/240/180	AS 1530.4 (2014)	Horizontal	Yes	No	No	FRT 200213 R1.0	NA
5G	120mm thick concrete floor joints double caulked fire-side only*	20mm, 30mm & 50mm wide joints each double caulked from fire-side only. First and second seals at depth = half x width. (includes above-mentioned joints for Fulaflex FR.)	-/120/120	AS 1530.4 (2014)	Horizontal	Yes double caulked from one side only	Yes double caulked from one side only	No	FP21481-02-1	NA
Ref Only (Available upon request from H.B. Fuller)	120mm thick Concrete Wall Joints sealed both sides & fire side only*	20mm wide x 10mm deep & 50mm wide x 20mm deep joints sealed both sides & fire side only.	up to -/240/120**	As1530.4 (1997) & AS 4072.1 (1992)	Vertical	Yes	Yes	No	WFRA 40869	NA
Ref Only (Available upon request from H.B. Fuller)	120mm-175 mm thick Concrete Wall & Floor Joints (various seal configurations)* Superseded by FC21185-01-1	10-50mm wide joints sealed both sides, 10-35mm wide joints sealed fire side only, 20-35mm wide joints sealed non-fire side only & 10-35mm joints double caulked from one side (includes lightweight/aerated concrete and solid/hollow masonry block)	up to -/240/240 for both sides & double caulked joints, up to -/240/240 for non-fire side only & Firesound only (max. 10mm wide joints for full FRL when sealed one side only)**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	Yes	Yes	NA	FAS 200118 R1.2
Ref Only (Available upon request from H.B. Fuller)	120mm-175mm thick Concrete Wall soffit/head joints (various seal configurations)* Consolidated in FC21185-01-1	10-50mm wide joints sealed both sides, 10-35mm joints sealed fire side only, 20-35mm wide joints sealed non-fire side only & 10-35mm joints double caulked from one side (includes solid/hollow masonry block)	Up to -/240/240 for both sides & double caulked joints, from -/240/240 for non-fire side only & fire side only (max. 10mm wide joints for full FRL when sealed one side only)**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal	Yes	Yes	Yes	NA	FAS 220012 R1.0

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Ref Only (Available upon request from H.B. Fuller)	120-175mm thick Concrete Wall Joints (Firesound one side & FulaFlex FR other side)* Consolidated in FC21185-01-1	10-50mm wide joints at conventional 2:1 width:depth ratio, sealed one side each Firesound/FulaFlex FR (also includes solid masonry block walls)	up to -/240/240**	AS 1530.4 (2014) & AS 4072.1 (2005)	Vertical	Yes	No	No	NA	FAS 210035 R1.0
		CONCRETE - SERVICE PENETRATIONS								
6A	150mm thick Concrete Wall & Floor Penetrations*	AS 1530.4 Appendix D1 power & D2 comms. cables, single comms. cable, 22mm, 32mm & 80mm steel sprinkler pipe, 100mm, 125mm & 150mm copper pipe, 32-65mm & 80-100mm brass/copper pipe (includes lightweight/aerated concrete)	up to -/180/180 for wall penetrations & up to -/240/120 for floor penetrations**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	No	No	NA	27001 R5.0
6B	150mm thick Concrete Wall & Floor Penetrations*	AS 1530.4 Appendix D1 power cables, a 32mm type D copper pipe, 100mm type A copper pipe (with & without wrap), 25mm & 200mm type B copper pipe & 100mm brass pipe	up to -/240/120**	AS 1530.4 (2014)	Horizontal & Vertical	Yes	No	No	FRT 200220 R1.0	NA
		MASONRY - CONTROL JOINTS								
7A	120mm-175mm Masonry Solid & Hollow Core Block Wall Joints (various seal configurations)*	10-50mm wide joints sealed both sides & 10-35mm Joints double caulked from one side. Includes Firesound/FulaFlex FR interchange- ably for all double sided wall and floor configurations ie Same sealant both sides or Firesound internal side/FulaFlex FR external side of wall. (includes normal weight and lightweight/aerated concrete.)	up to -/240/240 for both sides & double caulked joints.**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal (Incl. head joints) & Vertical	Yes	Yes double caulked from one side only	Yes double caulked from one side only	NA	FC21185- 01-1
Ref Only (Available upon request from H.B. Fuller)	140mm thick Masonry Hollow Core Block Wall Joints sealed non-fire side only*	10mm wide x 10mm deep & 30mm wide x 15mm deep joints, sealed non-fire side only.	up to -/180/120**	AS 1530.4 (2014) & AS 4072.1 (2005)	Vertical	No	No	Yes	NA	281122 R4.0
Ref Only (Available upon request from H.B. Fuller)	140mm thick Masonry Hollow Block Wall Joints*	10mm wide x 5mm deep & 30mm wide x 15mm deep joints, sealed non-fire side only.	up to -/180/120**	AS 1530.4 (1997) & AS 4072.1 (1992)	Vertical	No	No	Yes	WFRA 41003.1	NA
Ref Only (Available upon request from H.B. Fuller)	120mm-175mm Masonry Solid & Hollow Core Block Wall Joints (various seal configurations)* Superseded by FC21185-01-1	10-50mm wide joints sealed both sides, 10-35mm wide joints sealed fire side only, 20-35mm wide joints sealed non-fire side only & 10- 35mm joints double caulked from one side (includes lightweight/aerated concrete and solid/normal weight con- crete.)	Up to -/240/240 for both sides & double caulked joints, from -/120/90 for non- fire side only & from -/120/30 for fire side only (max.10mm wide joints up to -/240/240 when sealed one side only)**	AS 1530.4 (2014) & AS 4072.1 (2005)	Vertical	Yes	Yes	Yes	NA	FRT 200118 R1.2
Ref Only (Available upon request from H.B. Fuller)	120mm-175 mm thick hollow & solid masonry wall soffit/head joints (various seal configurations)* Consolidated in FC21185-01-1	10-50mm wide joints sealed both sides, 10-35mm wide joints sealed fire side only, 20-35mm wide joints sealed non-fire side only & 10- 35mm joints double caulked from one side (includes solid/normal weight concrete walls.)	Up to -/240/240 for both sides & double caulked joints, from -/120/90 for non- fire side only & from -/120/30 for fire side only (max.10mm wide joints up to -/240/240 when sealed one side only)**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal	Yes	Yes	Yes	NA	FAS 220012 R1.0
Ref Only (Available upon request from H.B. Fuller)	120-175mm thick Masonry Solid Wall Joints (Firesound one side & FulaFlex FR other side.)* Consolidated in FC21185-01-1	120-175mm thick solid block wall - 10-50mm wide joints at conven- tional 2:1 width:depth ratio, sealed one side each Firesound/FulaFlex FR (also includes solid/normal weight concrete walls.)	up to -/240/240**	AS 1530.4 (2014) & AS 4072.1 (2005)	Vertical	Yes	No	No	NA	FAS 210035 R1.0

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		SPEEDPANEL TRACK & PANEL JOINTS								
9A	51mm-78mm thick SpeedPanel walls (vertically & horizontally oriented/stacked panels) including vertical and horizontal configurations of 78mm in scissor stair application *	All joints associated with vertically & horizontally stacked SpeedPanel walls, and 78mm vertical and horizontal configurations in scissor stair application. Construction criteria and FRL's in accordance with Speed-Panel assessment FAS220345 R1.0 (vertically stacked), FAS230255 R1.1 (horizontally stacked) and FAS 200272 (vertically & horizontally stacked in scissor stair application.) Firesound & Fulaflex FR interchangeable for the same FRL in all SpeedPanel configurations.	up to -/120/120**	AS 1530.4 (2014) & AS 4072.1 (2005)	Horizontal & Vertical	Yes	Yes	Yes	NA	253746 R1.2
Ref Only (Available upon request from H.B. Fuller)	78mm thick Speedpanel walls - Scissor stair configuration* Superseded by 253746 R1.2	Horizontally and vertically oriented single and dual-stacked Speedpanel wall systems and Speedpanel boxed and triangular stair risers	-/120/120	AS 1530.4 (2014)	Horizontal & Vertical	Yes	Yes	Yes	NA	FAS 220241
Ref Only (Available upon request from H.B. Fuller)	51mm-78mm thick Speedpanel walls vertically oriented* Superseded by 253746 R1.0	Walls up to 5m height. Various edge, base, head, corner, angled and T-junction joint details	up to -/120/120**	AS 1530.4 2014)	Horizontal & Vertical	Yes	No	No	NA	FAS 220345
		SPEEDPANEL - SERVICE PENETRATIONS								
10A	78mm thick Speedpanel Walls*	450mm x 450mm fire damper, 202mm copper pipe, 102mm copper pipe, various SNAP retrofit fire collars, 43mm steel sprinkler pipe, 5x bunched electrical cables, AS 1530.4 Appendix Group A cables/ tray (with blanket) & Group B cables/tray (with blanket)	up to -/120/120**	AS 1530.4 (2014)	Horizontal	Yes	No	No	FSV 1731	NA

* See individual test or assessment data for information relating to control Joint configurations, penetrating services and wall/floor thickness.

** See individual test or appraisal data for information relating to FRL's for specific control Joints and service penetrations.

Due to variations in fire rating results using different separating elements and thicknesses consult fire test/assessment reports for specific tested FRL's.