

HPT Fire Rating Matrix



Rev: 0217-A
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Walls (LPCB LPS 1208 Cert:558a)

Thickness	FR60	FR30	Integrity	Insulation	Grade	Joint Stitching	Horizontal & Vertical Fix	Intumescent Mastic Required	Maximum Unsupported Length *
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* Fire Test Condition, Not Structural Span *

50mm & 80mm	n/a								
100mm	✗	✓	75 mins *	39 mins	n/a	150mm centres both sides	✓	✗	4.0m
125mm	✗	✓	75 mins *	39 mins	n/a	150mm centres both sides	✓	✗	4.0m
150mm	✗	✓	75 mins *	39 mins	n/a	150mm centres both sides	✓	✗	4.0m
175mm	✓	✗	76 mins *	62 mins	n/a	150mm centres both sides	✓	✗	4.0m on FR60 & 7.5m in FR30 condition
200mm	✓	✗	76 mins *	62 mins	n/a	150mm centres both sides	✓	✗	4.0m on FR60 & 7.5m in FR30 condition

Ceilings (LPCB LPS 1208 Cert:558a)

50mm & 80mm	n/a								
100mm	✗	✓	79 mins	48 mins	n/a	150mm centres both sides	n/a	✗	7.5m
125mm	✗	✓	79 mins	48 mins	n/a	150mm centres both sides	n/a	✗	7.5m
150mm	✗	✓	79 mins	48 mins	n/a	150mm centres both sides	n/a	✗	7.5m
175mm	✓	✗	80 mins *	69 mins	n/a	150mm centres both sides	n/a	✗	4.5m on FR60 & 7.5m in FR30 condition
200mm	✓	✗	80 mins *	69 mins	n/a	150mm centres both sides	n/a	✗	4.5m on FR60 & 7.5m in FR30 condition

* No Integrity failure - Test stopped at sponsors request

External and Carrier (LPCB LPS 1181 Part 1 Cert:558b)

80 - 175mm Wall Panels	✗	✗	n/a	n/a	EXT-B	150mm centres to internal face	✓	✗	n/a
80 - 175mm Roof Panels	✗	✗	n/a	n/a	EXT-B	150mm centres to internal face	✓	✗	n/a
100 - 175mm Wall Panels	✗	✓	60	30	EXT-A30	150mm centres both sides	✓	✗	4.0m
125 - 175mm Roof Panels	✗	✓	52	40	EXT-A30	150mm centres both sides	✓	✗	7.5m