

Hemsec Steel - Fire Rating Matrix

Thickness	FR60	FR30	Integrity (E)	Insulation (I)	Grade	Joint Stitching	Fixing Size	Intumescent Mastic Required	Maximum Unsupported Length Fire Test Condition (for structural spans see relative datasheet)
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Walls (LPCB LPS 1208 Cert:558a)

50mm & 80mm	N/A								
100mm	×	✓	75 mins*	39 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	4.0m
125mm	×	✓	75 mins*	39 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	4.0m
150mm	×	✓	75 mins*	39 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	4.0m
175mm	✓	✓	76 mins*	62 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	4.0m on FR60 & 7.5m in FR30 condition
200mm	✓	✓	76 mins*	62 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	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	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	7.5m
125mm	×	✓	79 mins	48 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	7.5m
150mm	×	✓	79 mins	48 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	7.5m
175mm	✓	✓	80 mins*	69 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	4.5m on FR60 & 7.5m in FR30 condition
200mm	✓	✓	80 mins*	69 mins	N/A	150mm centres both sides	Stainless Steel Self Drilling Stitching Screws 6.3mm x 25mm	×	4.5m on FR60 & 7.5m in FR30 condition

* No Integrity failure - Test stopped at sponsors request.

LPCB 1208 Notes:

- LPS 1208. Issue 2.1. LPCB fire resistance requirements for elements of construction used to provide compartmentation.
- LPS 1208 details methods of tests and performance requirements in order to satisfy the fire resistance requirements for compartmentation given in the LPC Design Guide for the Fire Protection of Buildings. BS476: Part 22: 1987 is the test that underpins Cert 558a, for Non-loadbearing compartment walls and partitions.

Interior Installation Requirements:

Flashing: Minimum 38 x 38mm (1.5 x 1.5) flashing fastened maximum 300mm (11.8in.) on centre.

Sealant/Gasket/Caulking: None.

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