

NATIONAL DRYLINING

Loadbearing Fire Tests

A technical summary of fire-tested loadbearing wall and floor build-ups.

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Technical Fire Test Summary

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Loadbearing Fire Tests

Light-gauge steel manufacturers have a responsibility to conduct fire tests on a range of wall and floor construction types.

This summary presents a suite of loadbearing fire test results using different build-ups with various board and insulation manufacturers. The information is intended to support customers in selecting systems for detailed project requirements.

External Walls

REF.	TEST REPORT NO.	TEST STANDARD	RESULT	DIRECTION	EXPOSED SIDE	UNEXPOSED SIDE	INSULATION	STUD SIZE
LB1B	P120502-1004	BS EN1365-1:2012	60	Out to In	Glasroc X 12.5mm	2no. 15mm BG Fireline	100mm APR 1200 roll	C.100.70.12
LB2B	P120502-1003	BS EN1365-1:2012	90	In to Out	2no. 15mm BG Fireline	Glasroc X 12.5mm	100mm APR 1200 roll	C.100.70.12
LB2S	P120502-1014	BS EN1365-1:2012	60	Out to In	Siniat Weather Defence 12.5mm	2no. 15mm Siniat Fire Board	Rockwool 100mm (RWA45)	C.100.70.12
LB1S	P120502-1013	BS EN1365-1:2012	90	In to Out	2no. 15mm Siniat Fire Board	Siniat Weather Defence 12.5mm	Rockwool 100mm (RWA45)	C.100.70.12

Information provided may include a combination of tested performance and technical assessment. Specific project requirements should be reviewed against the relevant tested build-up.

Internal Walls

REF.	TEST REPORT NO.	TEST STANDARD	RESULT	DIRECTION	EXPOSED SIDE	UNEXPOSED SIDE	INSULATION	STUD SIZE
LB4B	P120502-1012	BS EN1365-1:2012	30	N/A	1no. 15mm BG Soundbloc	1no. 15mm BG Soundbloc	N/A	C.070.50.12
LB3B	P120502-1011	BS EN1365-1:2012	90	N/A	2no. 15mm BG Soundbloc	2no. 15mm BG Soundbloc	180mm APR 1200 roll	Twin rows of C.070.50.12
LB5B	P120502-1015	BS EN1365-1:2012	90	N/A	2no. 15mm BG Fireline	2no. 15mm BG Fireline	100mm APR 1200 roll	C.100.70.12 w/ Resilient Bar both sides

Information provided may include a combination of tested performance and technical assessment. Specific project requirements should be reviewed against the relevant tested build-up.

Floors

REF.	TEST REPORT NO.	TEST STANDARD	RESULT	DIRECTION	EXPOSED SIDE	UNEXPOSED SIDE	INSULATION	STUD SIZE
LBF1B	P120502-1002	BS EN1365-2:2014	60	N/A	2no. 15mm BG Fireline	18mm OSB3	75mm APR 1200 roll	C.200.70.12 w/ Resilient Bar underside
LBF2B	P120502-1016	BS EN1365-2:2014	60	N/A	3no. 15mm BG Fireline	18mm OSB3	75mm APR 1200 roll	C.200.70.12
LBF3B	P120502-1017	BS EN1365-2:2014	90	N/A	3no. 15mm BG Fireline	18mm OSB3	75mm APR 1200 roll	C.200.70.12 w/ Resilient Bar underside

Information provided may include a combination of tested performance and technical assessment. Changes to boards, insulation, framing, fixing or other components may affect fire performance. Confirm suitability for the specific project before use.