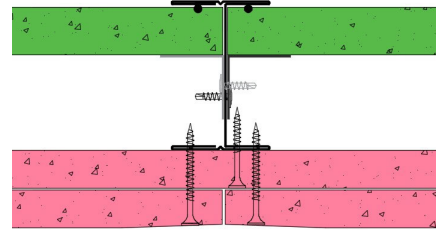


SE60-S-62 - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 60mm 'I' Stud Shaft Encasement
@600mm Ctrs, with 2x Siniat GTEC 15mm Fire
Board, Siniat GTEC 19mm Fire CoreBoard,



System Performance Breakdown

Fire Resistance:

BS476 Part 22:1987:

120/120 From Shaft Side, 60/60 From Landing Side Minutes
(Integrity/Insulation). See note 3 below

Test Ref & Date or Applied Ref & Report:

BRE-P100456-1083 - BRE Report P102396-1012C

Max Height:

Refer to Speedline Specification Clause

Thickness:

92 mm. (At Base Track, Excluding Finishes)

Duty Grade: BS 5234: Part 2:1992:

Severe - Annexes A-F

Sound Insulation:

41 R_wdB, Date Tested or Assessed Against - 12/07/2001

³Note: When exposed to fire on the landing side, these systems did not satisfy the insulation performance criteria on the framing members. Therefore, when specifying this system, it must be checked with the relevant approval authority, for the building project that this is acceptable, perhaps on the grounds that there will be no combustible material in close proximity, of the framing sections within the shaft.

AIRO Test Certificate

SOUND REDUCTION INDEX
60 mm SHAFTWALL with 2 x 15 mm FIRECHECK and PARTITION ROLL

MEASUREMENTS

Sound Reduction Index (R) measurements were conducted at the AIRO Acoustics Laboratory in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997, using a purpose built sound transmission suite. AIRO is a UKAS accredited testing laboratory No. 0483. The test was performed on 22 May 2001.

DESCRIPTION

The specimen filled a 2920 mm wide x 3000 mm high test aperture and comprised a perimeter framework of Lafarge UDT62/B head track and Lafarge JT62/B base track and end studs. Lafarge IS60/R tabbed I studs were set at 600 mm centres. The I studs were progressively installed whilst inserting 19 mm moisture and fire resistant coreboard into the secured tabs over a bead of Lafarge Acoustic Sealant. A deflection head detail of 100 mm wide sections of 19 mm coreboard trapped strips of 25 mm Owens Corning Partition Roll. 25 mm Owens Corning Partition Roll was included in the stud cavity. The I studs were lined with 2 no layers of 15 mm Lafarge Firecheck Wallboard with staggered joints and fixed with 32 mm and 44 mm Lafarge Drywall Screws at 300 mm centres. Wallboard joints were sealed with Lafarge Readymix Joint Cement and the perimeter sealed with Lafarge Acoustic Sealant. The estimated mass of the partition was 40 kg/m².

Tested for and supplied by : Lafarge Plasterboard Ltd

RESULTS

Frequency Hz	R dB	Frequency Hz	R dB
50	18.8	630	53.4
63	16.1	800	54.8
80	14.9	1000	57.1
100	16.3	1250	57.7
125	18.8	1600	56.2
160	27.6	2000	50.1
200	32.1	2500	50.0
250	39.3	3150	54.0
315	42.3	4000	58.0
400	45.8	5000	61.2
500	49.9		

Rating according to BS EN ISO 717-1:1997 $R_w(C;C_p) = 46 (-5; -12)$ dB

This Test Certificate summarises Report No. L/2775/1 dated 12 July 2001

W R Stevens MIOA
Principal Consultant

M Sawyer MIOA
Laboratory Supervisor

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TESTED AT ONE OF THE UKAS
ACCREDITED LABORATORIES
BELOW

B.T.C
(H-Ref on Graph)

B.R.E

AIRO

S.R.L

SPEEDLINE Drywall Systems, Adsetts House, 16 Europa View, Sheffield Business Park, Sheffield, S9 1XH.

Tel: 0114 231 8030.

Email: enquiries@speedlinedrywall.co.uk

(As per the requirements set out in ISO/IEC 17025:2017 regarding test data the results stated have been carried out by voestalpine Metsec plc as part of the contract to supply Speedline Metal Sections to SIG Plc)