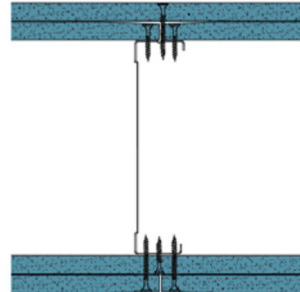


146-B-59 - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 146mm 'C' Stud Partition @600mm
Ctrs, with 2x BG Gyproc 12.5mm SoundBloc each
side



System Performance Breakdown

Fire Resistance:

BS476 Part 22:1987:

Test Ref & Date or Applied Ref & Report:

Max Height:

Thickness:

Duty Grade: BS 5234: Part 2:1992:

Sound Insulation:

60/60 Minutes (Integrity/Insulation).

BTC 17580F - BRE Report P102396-1011A

Refer to Speedline Specification Clause

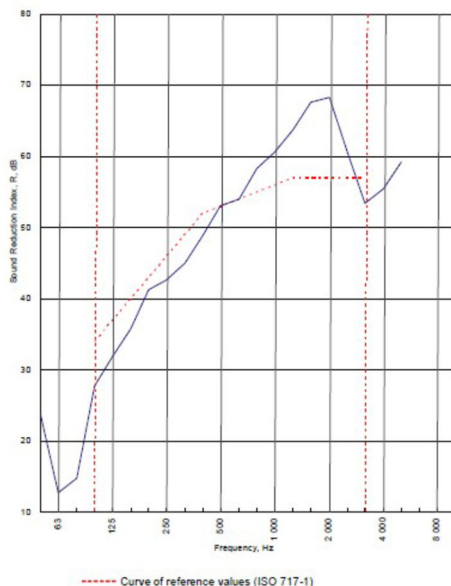
198 mm. (At Base Track, Excluding Finishes)

Severe - Annexes A-F

53 R_w dB, Date Tested or Assessed Against - 70-B-59

Test Code:
H17456AA
Test Date:
29/06/2011

Freq. Hz	R dB
50	23.7
63	12.7
80	14.7
100	27.7
125	31.8
160	35.8
200	41.3
250	42.6
315	45.0
400	48.9
500	53.1
630	54.0
800	58.3
1000	60.6
1250	63.8
1600	67.6
2000	68.3
2500	60.7
3150	53.4
4000	55.5
5000	59.2
6300	
8000	
10000	



Rating according to BS EN ISO 717-1:1997	R_w (C;Ctr) = 53 (-2;-8) dB		
Evaluation based on laboratory measurement results obtained by an engineering method:	Max dev. 6.3 dB at 100 Hz		
	C_{50-100} = -9 dB	C_{50-500} = -8 dB	$C_{100-500}$ = -2 dB
	$C_{1,50-110}$ = -21 dB	$C_{1,50-500}$ = -21 dB	$C_{1,100-500}$ = -8 dB

TESTED AT ONE OF THE UKAS ACCREDITED LABORATORIES BELOW

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

B.R.E

AIRO

S.R.L

Customer: Metsec plc Hepsec Division

BTC 17456A: Page 8 of 10



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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)