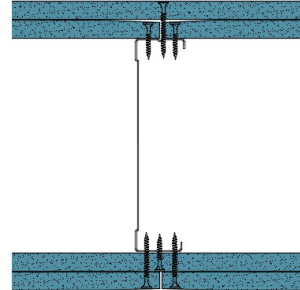


## 146-K-59 - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 146mm 'C' Stud Partition @600mm  
Ctrs, with 2x Knauf 12.5mm Soundshield Plus 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).**

**BRE 208596 - BRE Report P102396-1011B**

**Refer to Speedline Specification Clause**

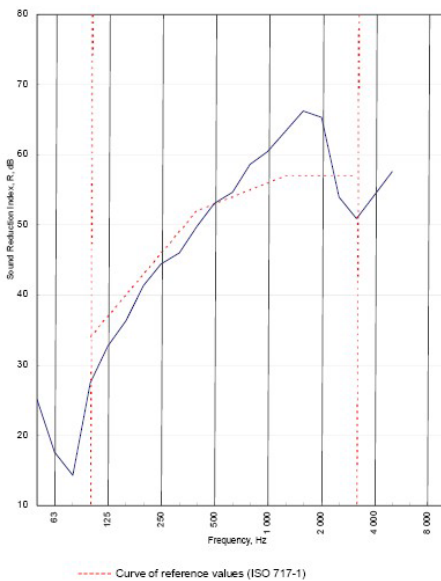
**198 mm.** (At Base Track, Excluding Finishes)

**Severe - Annexes A-F**

**53  $R_w$ dB**, Date Tested or Assessed Against - 70-K-59

Test Code:  
H17434AA  
Test Date:  
27/06/2011

Freq. Hz	R dB
50	25.1
63	17.6
80	14.3
100	27.5
125	32.7
160	36.3
200	41.4
250	44.4
315	46.0
400	49.8
500	53.1
630	54.6
800	58.7
1 000	60.5
1 250	63.4
1 600	66.3
2 000	65.4
2 500	54.0
3 150	50.9
4 000	54.3
5 000	57.6
6 300	
8 000	
10 000	



Rating according to BS EN ISO 717-1:1997	<b><math>R_w</math> (C;Ctr) = 53 (-3;-8) dB</b>
Evaluation based on laboratory measurement results obtained by an engineering method.	Max dev. 6.5 dB at 100 Hz
	$C_{50-500}$ = -8 dB $C_{50-630}$ = -7 dB $C_{10-500}$ = -2 dB
	$C_{1-50-500}$ = -19 dB $C_{1-50-630}$ = -19 dB $C_{1-100-630}$ = -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 17434A: Page 8 of 10



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Tel: 0114 231 8030.

Email: [enquiries@speedlinedrywall.co.uk](mailto: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)

