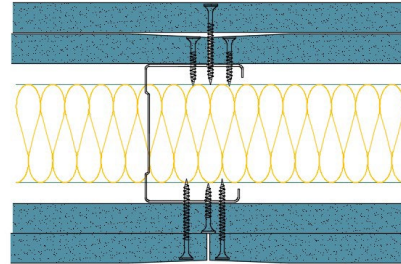


## AS70-K-160(50) - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 70mm Acoustic 'C' Stud Partition  
 @600mm Ctrs, with 2x Knauf 15mm Soundshield  
 Plus each side, 50mm APR



### 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:

**120/120 Minutes (Integrity/Insulation).**

**BMT/FEP/F14077 - BRE Report P102396-1011B**

**Refer to Speedline Specification Clause**

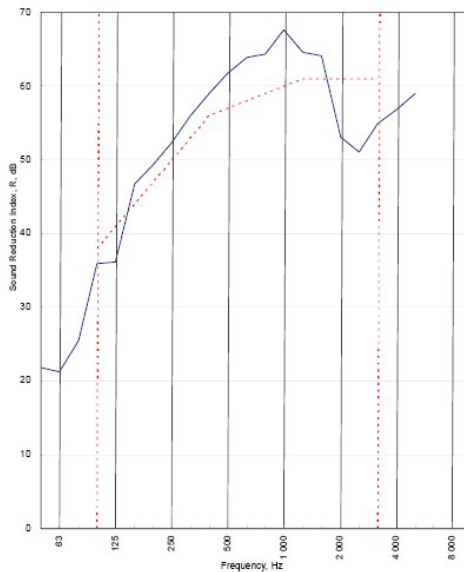
**132 mm.** (At Base Track, Excluding Finishes)

**Severe - Annexes A-F**

**57  $R_w$  dB, -5 Ctr** Date Tested or Assessed Against - 31/10/2012

Test Code:  
H18024AA  
Test Date:  
31/10/2012

Freq. Hz	R dB
50	21.8
63	21.3
80	25.5
100	35.9
125	36.2
160	46.7
200	49.4
250	52.3
315	56.1
400	59.0
500	61.7
630	63.9
800	64.3
1 000	67.7
1 250	64.6
1 600	64.2
2 000	53.1
2 500	51.1
3 150	54.9
4 000	56.9
5 000	59.0
6 300	
8 000	
10 000	



----- Curve of reference values (ISO 717-1)

Rating according to BS EN ISO 717-1:1997	<b><math>R_w</math> (C;Ctr) = 57 (-2;-5) dB</b>		
Evaluation based on laboratory measurement results obtained by an engineering method.	$C_{50-500} = -6$ dB	$C_{50-500} = -5$ dB	$C_{100-5000} = -2$ dB
	$C_{50-3150} = -16$ dB	$C_{50-5000} = -16$ dB	$C_{100-5000} = -6$ 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 Hespsec Division

BTC 18024A: Page 9 of 11



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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)