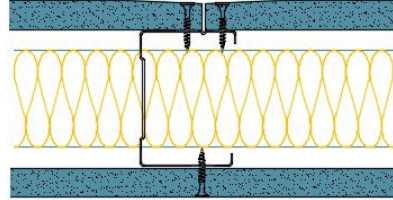


## AS70-K-154(50) - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 70mm Acoustic 'C' Stud Partition  
 @600mm Ctrs, with 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:

**60/60 Minutes** (Integrity/Insulation).

**BRE 285458 - BRE Report P102396-1011B**

**Refer to Speedline Specification Clause**

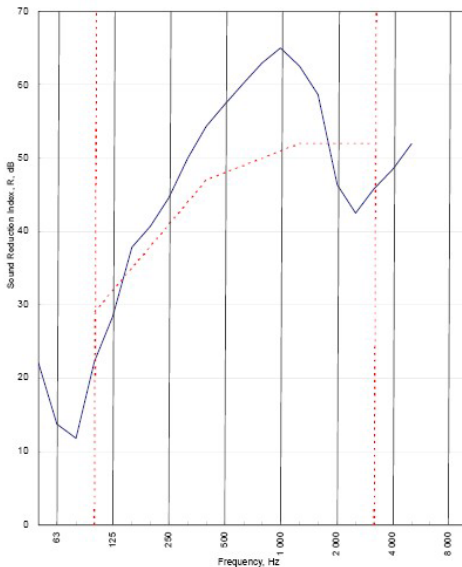
**102 mm.** (At Base Track, Excluding Finishes)

**Severe - Annexes A-F**

**48 R<sub>w</sub>dB**, Date Tested or Assessed Against - 31/010/12

Test Code:  
H18023AA  
Test Date:  
31/10/2012

| Freq. Hz | R dB |
|----------|------|
| 50       | 22.0 |
| 63       | 13.7 |
| 80       | 11.8 |
| 100      | 22.3 |
| 125      | 28.4 |
| 160      | 37.9 |
| 200      | 40.7 |
| 250      | 44.6 |
| 315      | 50.0 |
| 400      | 54.4 |
| 500      | 57.3 |
| 630      | 60.3 |
| 800      | 63.0 |
| 1 000    | 65.1 |
| 1 250    | 62.6 |
| 1 600    | 58.7 |
| 2 000    | 46.4 |
| 2 500    | 42.5 |
| 3 150    | 45.8 |
| 4 000    | 48.5 |
| 5 000    | 52.0 |
| 6 300    |      |
| 8 000    |      |
| 10 000   |      |



|   |  |                                 |                                 |
|---|--|---------------------------------|---------------------------------|
| Rating according to BS EN ISO 717-1:1997  | <b>R<sub>w</sub> (C;Ctr) = 48 (-2;-7) dB</b> |                                 |                                 |
| Evaluation based on laboratory measurement results obtained by an engineering method: | Max dev. 9.5 dB at 2 500 Hz                  |                                 |                                 |
|   | C <sub>50-5100</sub> = -7 dB                 | C <sub>50-5000</sub> = -6 dB    | C <sub>100-5000</sub> = -2 dB   |
|   | C <sub>0-50-3150</sub> = -17 dB              | C <sub>0-50-5000</sub> = -17 dB | C <sub>0-100-5000</sub> = -7 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 18023A: 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)