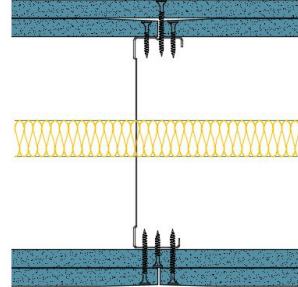


## 146-K-59(25) - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 146mm 'C' Stud Partition @600mm  
Ctrs, with 2x Knauf 12.5mm Soundshield Plus each  
side, 25mm 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 208596 - BRE Report P102396-1011B**

**Refer to Speedline Specification Clause**

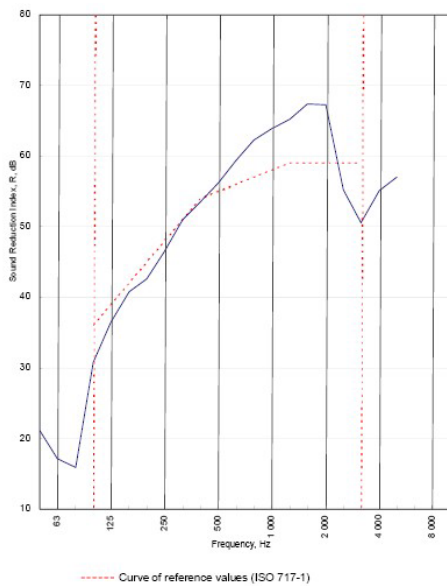
**198 mm.** (At Base Track, Excluding Finishes)

**Severe - Annexes A-F**

**55  $R_w$  dB**, Date Tested or Assessed Against - 70-K-59(25)

Test Code:  
H17427AA  
Test Date:  
27/06/2011

Freq. Hz	R dB
50	21.1
63	17.1
80	15.9
100	30.8
125	36.5
160	40.8
200	42.6
250	46.5
315	51.0
400	53.5
500	56.2
630	59.4
800	62.3
1 000	63.9
1 250	65.2
1 600	67.4
2 000	67.3
2 500	55.2
3 150	50.6
4 000	55.1
5 000	57.0
6 300	
8 000	
10 000	



Rating according to BS EN ISO 717-1:1997	<b><math>R_w</math> (C;Ctr) = 55 (-2;-7) dB</b>		
	Max dev. 8.4 dB at 3 150 Hz		
Evaluation based on laboratory measurement results obtained by an engineering method:	$C_{50-500}$ = -9 dB	$C_{50-5000}$ = -8 dB	$C_{100-5000}$ = -1 dB
	$C_{9-50-315}$ = -20 dB	$C_{150-5000}$ = -20 dB	$C_{100-5000}$ = -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 Hespsec Division

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