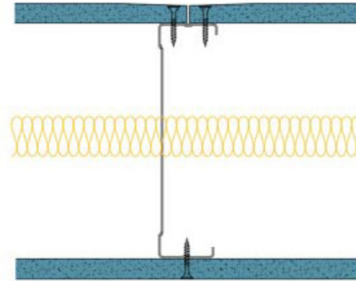


## 146-B-53(25) - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 146mm 'C' Stud Partition @600mm Ctrs, with 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:

**30/30 Minutes** (Integrity/Insulation).

**BTC 17439F - BRE Report P102396-1011A**

**Refer to Speedline Specification Clause**

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

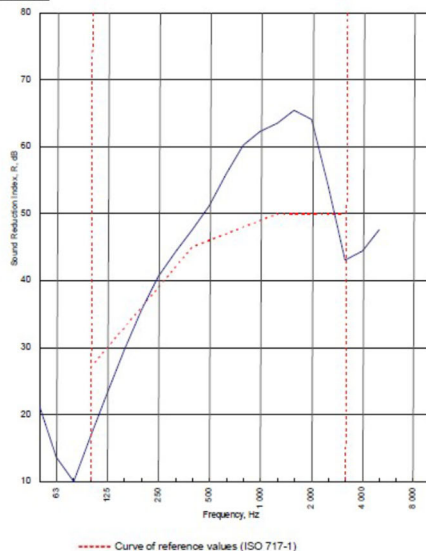
**Medium - Annexes A-F**

**46  $R_w$ dB**, Date Tested or Assessed Against - 70-B-53(25)+1dB

#### APPENDIX A - TEST DATA


Test Code:  
H17449AA  
Test Date:  
29/06/2011


Freq. Hz	R dB
50	21.2
63	13.6
80	10.0
100	16.7
125	23.2
160	29.8
200	35.5
250	40.6
315	44.3
400	47.6
500	51.2
630	56.0
800	60.2
1000	62.3
1250	63.5
1600	65.5
2000	64.1
2500	54.1
3150	43.1
4000	44.4
5000	47.6
6300	
8000	
10000	





Rating according to BS EN ISO 717-1:1997	<b><math>R_w</math> (C;Ctr) = 46 (-4;-11) dB</b>		
Evaluation based on laboratory measurement results obtained by an engineering method:	Max dev. 10.3 dB at 100 Hz		
	$C_{50-150}$ = -7 dB	$C_{50-500}$ = -6 dB	$C_{100-500}$ = -3 dB
	$C_{250-150}$ = -17 dB	$C_{250-500}$ = -17 dB	$C_{250-1000}$ = -11 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

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