

146-K-52 - SPEEDLINE System Data Sheet - Version V1 (24-10-23)

SPEEDLINE 146mm 'C' Stud Partition @600mm Ctrs, with Knauf 15mm Wallboard 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 17436F - BRE Report P102396-1011B Refer to Speedline Specification Clause

178 mm. (At Base Track, Excluding Finishes)

Heavy - Annexes A-F

37 R_wdB, Date Tested or Assessed Against - 70-K-51

Sound Insulation

Test Numbe		22			Air temperature:	15.9 °C
Client: Test Date: Sample height: Sample width:		Hepsec			Air humidity:	74 %
		05/10/2006 1.195 m 1.995 m			Receiving room volume	
					Source room volume: Sample weight:	
dentification	n:	12.5mm	Knauf	wallt	poard either side of 70mm metal C stud	d -
		joints tap				7.000
	Sou	nd	80 -	50 T		
Freq	Reduction Index, dB			- 1	Sound Rw	
f				Reduction reference Index curve		
Hz	1/3 Oct	1/1 Oct		70	Index curve	++++
50+	19.8	19.5	l			
63+	25.0		1			
80+	16.9			50		+
100	9.6					
125	13.7	12.7	l			
160	20.3		m			
200	24.1	27.4		8p 50 -		
250	31.4		ep.			\
315	31.1		5			\ /
400	35.9		of to	월 40	/+	·- V
500	38.2		Sound Reduction Index	1 2-1		
630	42.6					
800	47.2	49.4 46.0 41.6		30	pri l	\perp
1000	50.2					
1250	52.4			+1	1 19	
1600 2000	54.1 52.9		20			
					Y /	
2500 3150	41.8					
4000	42.6			.	N + 1 + 1 + 1 + 1 + 1 + 1 + 1	
5000	48.2		'	10	/ 	+
6300+	53.8	55.6	1			
8000+	57.5		l	- 1		
10000+	56.4	30.0	l	0		++++
Average	00.7		1		100 160 250 400 630 1000 1600	
100-3150	36.5		l		125 200 315 500 800 1250 200	0 3150 5000
.50 0.00	50.0				Frequency, Hz	
Rating accor	ding to BS	EN ISO 7	17-1:1	997	1127.0000-127.000	
Rw(C;Ctr)=						
			correc	cted	for background	



SPEEDLINE Drywall Systems, Adsetts House, 16 Europa View, Sheffield Business Park, Sheffield, S9 1XH. Tel: 0114 231 8030.

Email: enquiries@speedlinedrywall.co.uk