



Sound Research
Laboratories



Test Certificate No. 13449



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Contract: C/24570

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Confidential

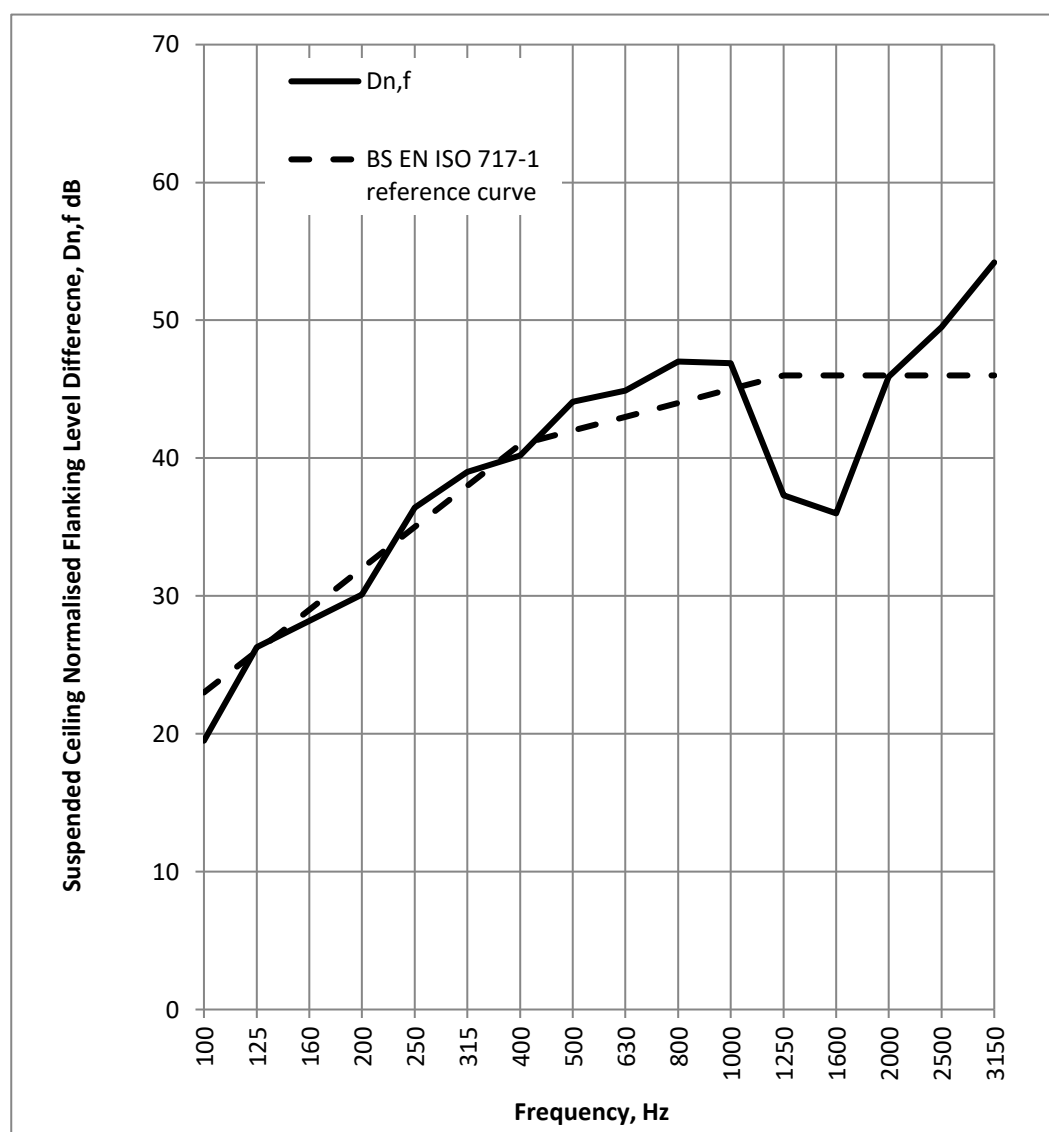
See SRL Report 24570-SRL-RP-XT-002-P1 for full details

Laboratory Measurement of the Flanking Transmission of Airborne Sound Between Adjoining Rooms
of a Suspended Ceiling to BS EN ISO 10848-2:2006

Test Numbers: 25 & 24
Manufacturer: Saint-Gobain Ecophon AB
Client: Saint-Gobain Ecophon AB
Sample mounted by: Saint-Gobain Ecophon AB
Product identification: Combison dB42 1200x600x50mm thick

Air Temperature: 14.3 °C
Air Humidity: 44 %
Test Date: 12/02/2020

Freq f Hz	Suspended Ceiling Normalised Flanking Level Difference - dB	
	1/3 Oct	1/1 Oct
	D _{n,f}	
50+	12.5	15.4
63+	17.4	
80+	19.3	
100	19.5	22.9
125	26.3	
160	28.2	
200	30.1	33.5
250	36.4	
315	39.0	
400	40.2	42.6
500	≥ 44.1	
630	≥ 44.9	
800	≥ 47.0	41.2
1000	≥ 46.9	
1250	37.3	
1600	36.0	40.2
2000	45.9	
2500	≥ 49.5	
3150	≥ 54.2	57.5
4000+	≥ 59.8	
5000+	≥ 64.1	
6300+	≥ 68.2	63.6
8000+	≥ 66.3	
10000+	* 60.4	
Average 100-3150	39.1	



v3.0

Rating according to BS EN ISO 717-1:2013

D_{n,f,w} (C;Ctr)= 42 (-2 ; -6) dB

Notes : * shows measurement corrected for background
+ shows frequency beyond standard and not UKAS accredited

R Calvert

Richard Calvert
Tester

Allen Smalls

Allen Smalls
Quality Manager

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