



See SRL Report 81973-SRL-RP-XT-002-P2 for full details

Laboratory Measurement of The Flanking Transmission of Airborne Sound Between Adjoining Rooms of a Suspended Ceiling to BS EN ISO 10848-2:2017

Test Number: 31 & 32
Client: Saint-Gobain Ecophon AB
Test Date: 16/05/2024

Test Room:
Air Temperature: 18.2 & 18.2 °C
Air Humidity: 64 & 61 %RH
Air Pressure: 997.5 mbar

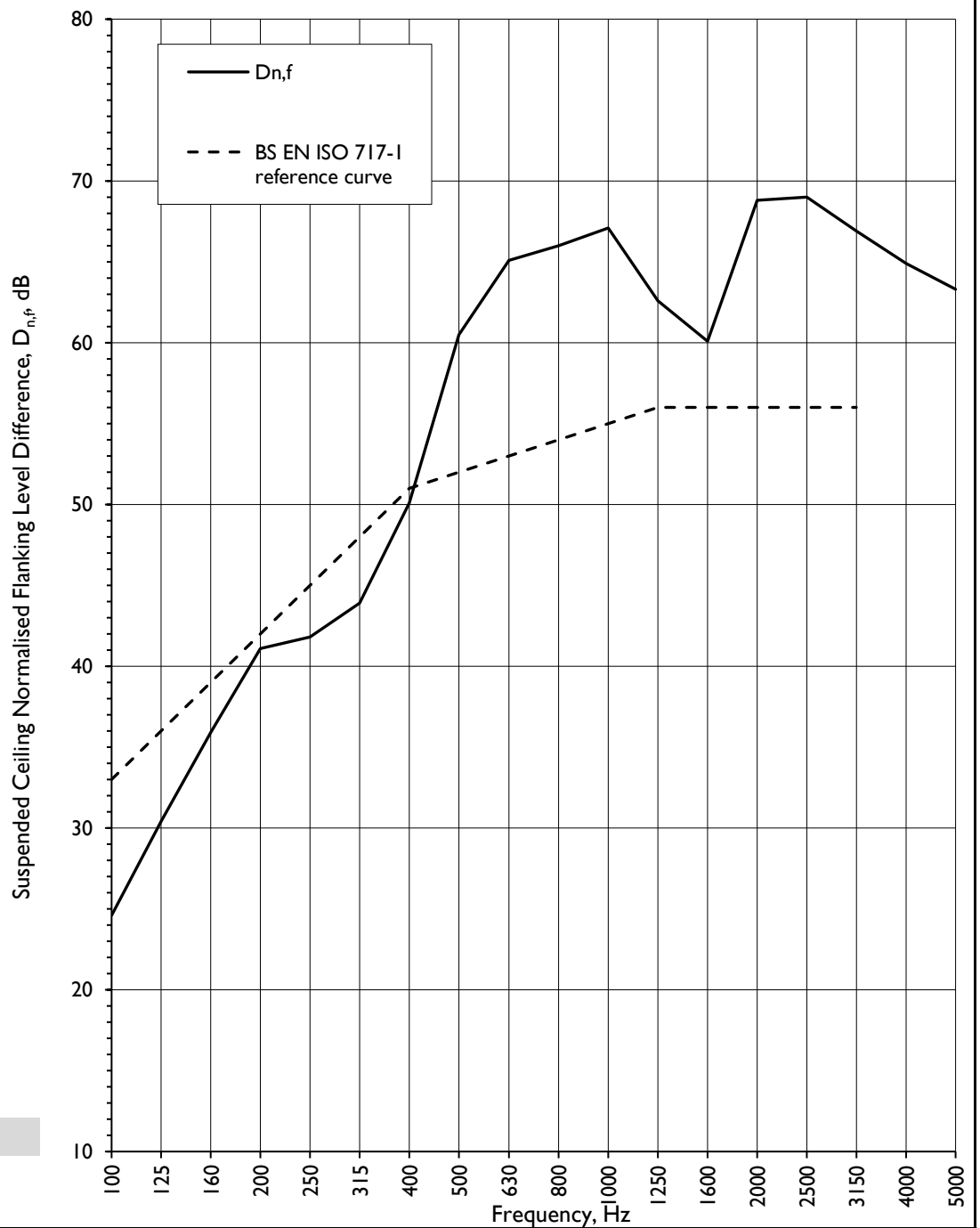
Product Identification: Tonga dB 41 E 1200x600x40mm with 1x80mm Acoustipan over partition wall

Frequency, Hz	Suspended Ceiling Normalised Flanking Level Difference, dB	
	1/3 Oct	Octave
50+	19.0	18.7
63+	16.6	
80+	22.4	
100	24.6	28.1
125	30.4	
160	35.9	
200	41.1	42.1
250	41.8	
315	43.9	
400	50.1	54.4
500	60.5	
630	65.1	
800	66.0	64.8
1000	67.1	
1250	62.6	
1600	60.1	63.9
2000	68.8	
2500	69.0 *	
3150	66.9	64.8
4000	64.9	
5000	63.3	
6300+	65.7 *	58.1
8000+	58.3	
10000+	55.3	
Average 100-3150	53.4	SRL Version v3

* shows measurement corrected for background
 > shows measurement limited by background
 + shows Frequency beyond standard and not UKAS accredited

Rating according to BS EN ISO 717-1:2020

$D_{n,f,w}(C;C_{tr}) = 52 (-2;-9)$



Kieron Farrow

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Tester

Allen Smalls

Allen Smalls
Quality Manager