

Confidential

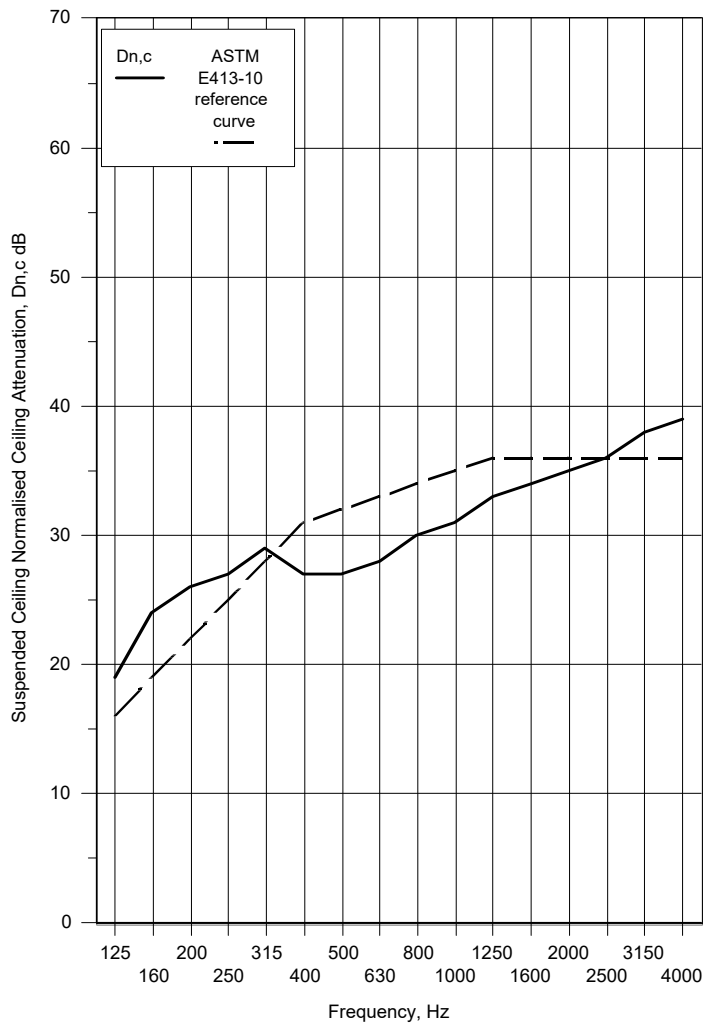
See SRL Report C/23619/T03 for full details

Laboratory Measurement of Airborne Sound Attenuation between Rooms sharing a Common Ceiling Plenum

Test Procedure to ISO 10848-2: Calculation of Dn,c to ASTM E1414-11a

Test Numbers:	29 & 28	Air Temperature:	9.1 °C
Manufacturer:	USG Middle East Ltd	Air Humidity:	52 %
Client:	USG Middle East Ltd	Test Date:	27/01/2017
Sample mounted by:	USG Middle East Ltd		
Product identification:	Lay-in perforated with infill MF 600x600x15mm		

Freq f Hz	Suspended Ceiling Normalised Ceiling Attenuation - dB
	1/3 Oct Dn,c
100	15
125	19
160	24
200	26
250	27
315	29
400	27
500	27
630	28
800	30
1000	31
1250	33
1600	34
2000	35
2500	36
3150	38
4000	39
5000	39



Rating according to ASTM E413-10
CAC = **32 dB**

Notes : * shows measurement corrected for background
shows CAC limited by maximum unfavourable deviation of 8dB

v2.0



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