



Airborne Sound Insulation according to ISO 140-3:1995 Laboratory measurements

Client: AMC, S.A.

Test date: 15/07/04

Test specimen: False ceiling (1 plasterboard) under floor.

Description of test specimen:

The test specimen consists of a floor with false ceiling. The specimen has been mounted inside a reinforced concrete frame and a test aperture of 3,3 x 4,2 m.

Receiving room volume: 61,0 m³

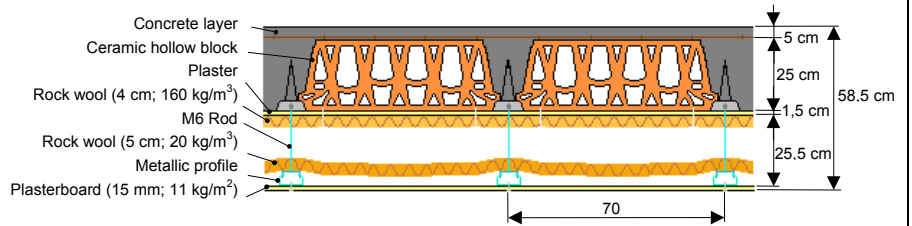
Source room volume: 53,6 m³

Test specimen area: 13,86 m²

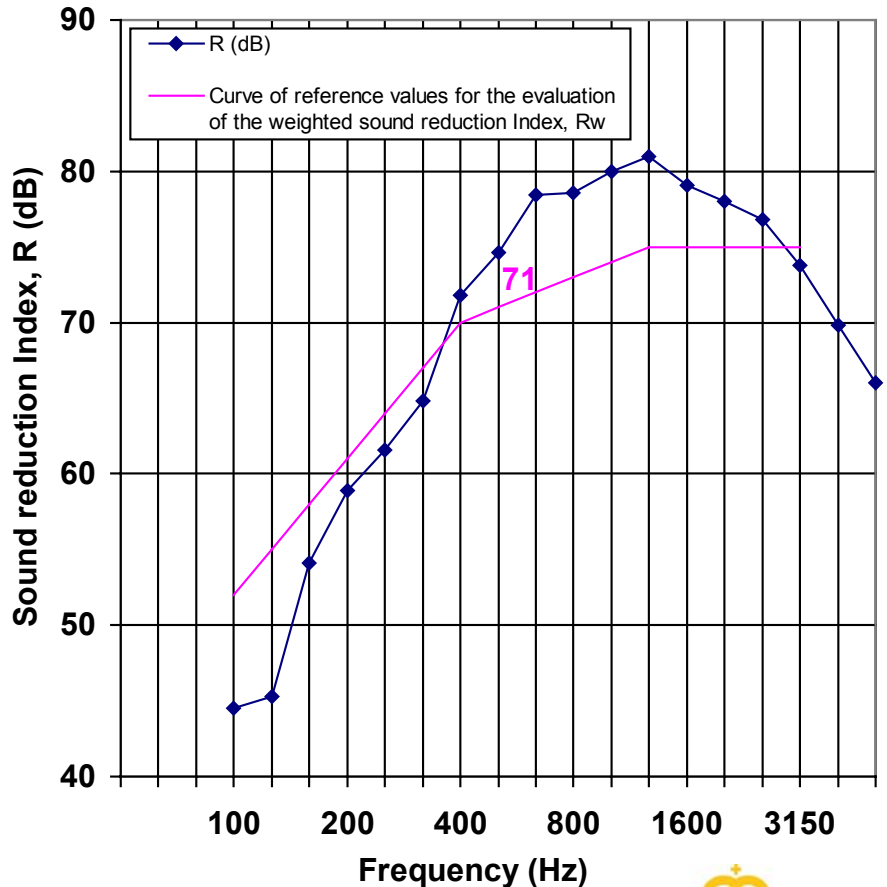
Mass per unit area estimated: 334 kg/m²

Air temperature: 19,0 °C

Air humidity: 68,0 %



f (Hz)	R (dB)
100.	44,5
125	45,3
160.	54,1
200.	58,9
250	61,6
315.	64,8
400.	71,8
500.	74,6
630.	78,4
800.	78,6
1000.	80,0
1250.	81,0
1600	79,1
2000	78,0
2500	76,8
3150	73,8
4000	69,8
5000	66,0



Rating according to: ISO 717-1:1996 $R_w(C;C_{tr})$: 71 (-4 ; -10) dB
 NBE-CA 88 $R(A)$: 67,5 dB(A)
Evaluation based on laboratory measurement results obtained by an engineering method
. Next to R_{max}



No. of result: B0082 – 26 – M51

Signature:

Acoustics Area
 Managed by

Date: August 27th 2004

