



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

Client: AMC, S.A.

Test date: 19/07/04

Test specimen: False ceiling (3 plasterboards) 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

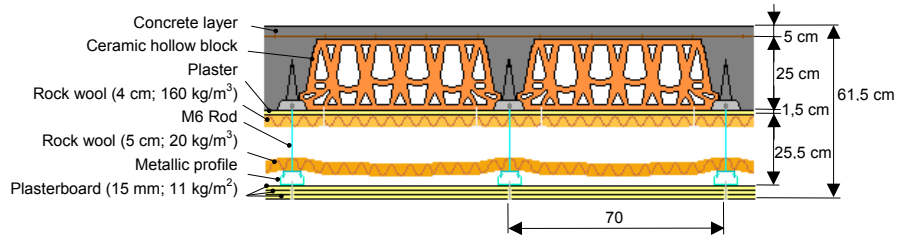
Source room volume: 53,6 m³

Test specimen area: 13,86 m²

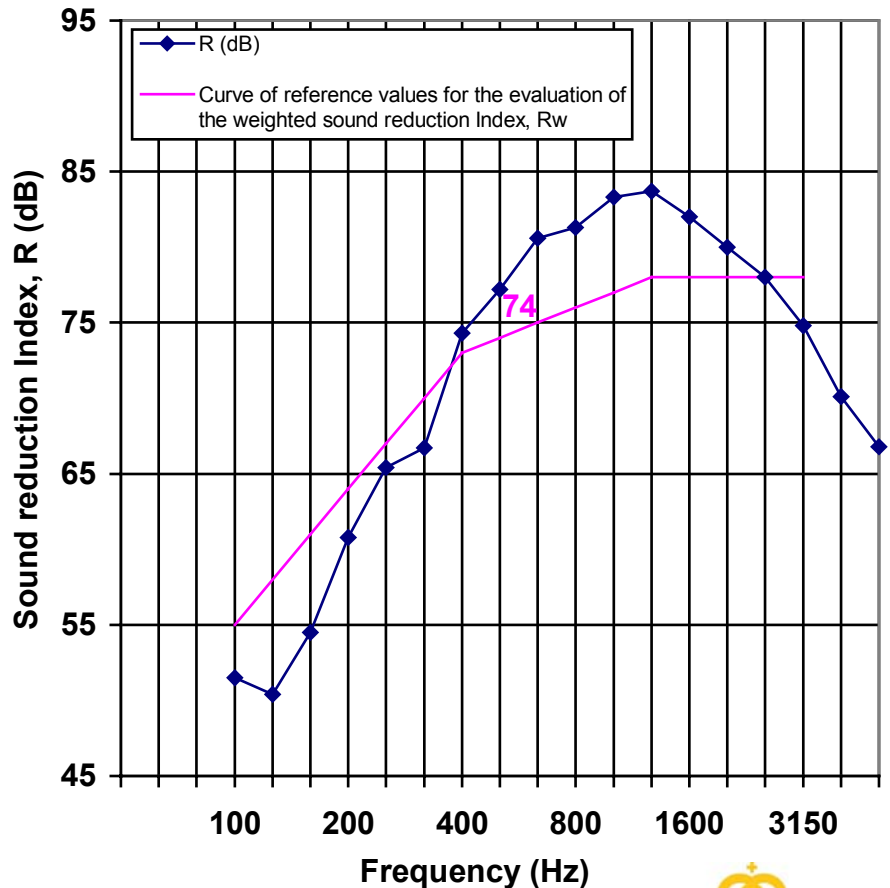
Mass per unit area estimated: 356 kg/m²

Air temperature: 19,6 °C

Air humidity: 79,0 %



f (Hz)	R (dB)
100.	51,5
125.	50,4
160.	54,5
200.	60,8
250.	65,4
315.	66,7
400.	74,3
500.	77,2
630.	80,6
800.	81,3
1000.	83,3
1250.	83,7
1600.	82,0
2000.	80,0
2500.	78,0
3150.	74,8
4000.	70,1
5000.	66,8



Rating according to: ISO 717-1:1996 $R_w(C;C_{tr})$: 74 (-3 ; -8) dB
 NBE-CA 88 $R(A)$: 70,5 dB(A)
Evaluation based on laboratory measurement results obtained by an engineering method
. Next to Rmax



No. of result: B0082 – 26 – M53

Signature: *[Handwritten Signature]*

Acoustics Area
 Managed by

Date: August 27th 2004

