



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

**Client:** AMC, S.A.

**Test date:** 20/07/04

**Test specimen:** False ceiling (1 Plasterboard) with 'Akustik 4' supports 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 m<sup>3</sup>

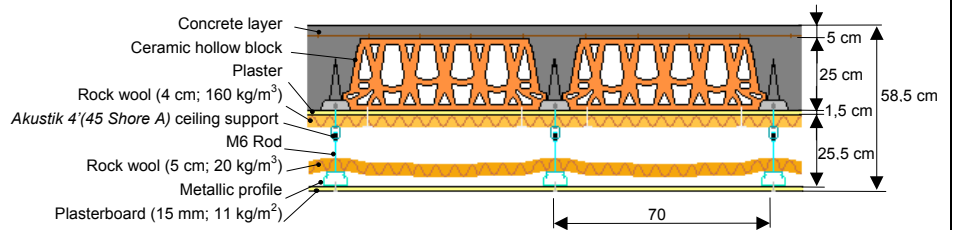
Source room volume: 53,6 m<sup>3</sup>

Test specimen area: 13,86 m<sup>2</sup>

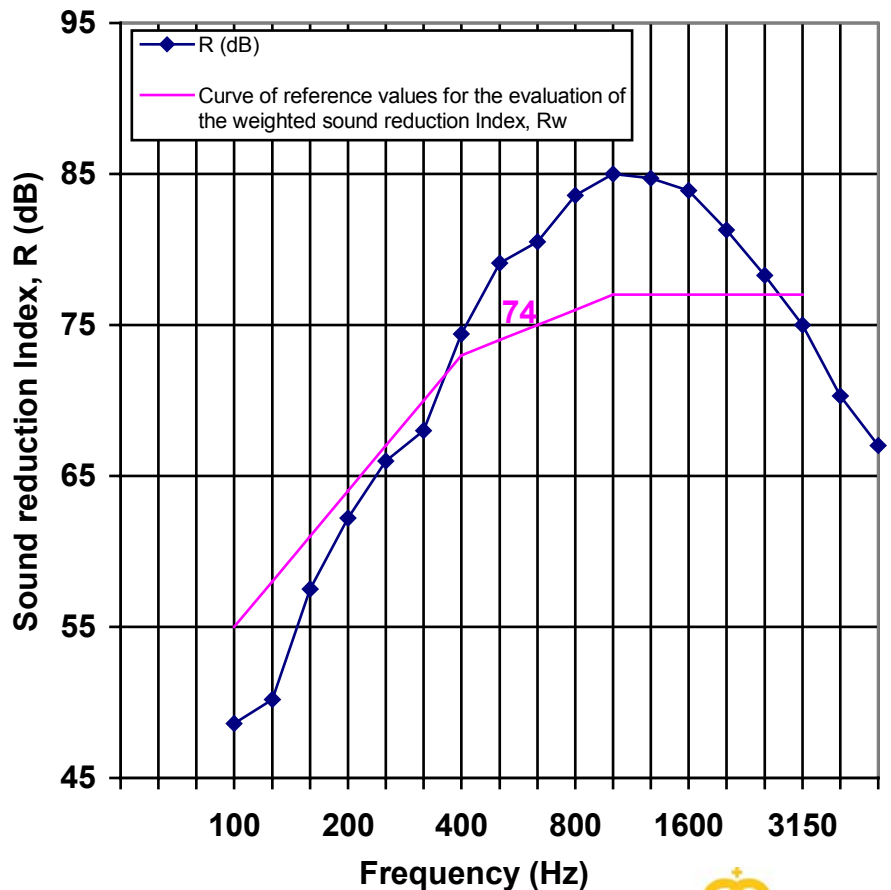
Mass per unit area estimated: 334 kg/m<sup>2</sup>

Air temperature: 20,0 °C

Air humidity: 80,0 %



f (Hz)	R (dB)
100.	48,6
125	50,2
160.	57,5
200.	62,2
250.	66,0
315.	68,0
400.	74,4
500.	79,1
630.	80,5
800.	83,6
1000.	85,0
1250.	84,7
1600.	83,9
2000.	81,3
2500.	78,3
3150.	75,0
4000.	70,3
5000.	67,0



Rating according to:	ISO 717-1:1996	R <sub>w</sub> (C;C <sub>tr</sub> ): 74 (-3 ; -9) dB
	NBE-CA 88	R(A): 70,8 dB(A)

*Evaluation based on laboratory measurement results obtained by an engineering method*  
 . Next to R<sub>max</sub>



No. of result: B0082 – 26 – M54

Signature: *[Handwritten Signature]*

Acoustics Area  
 Managed by

Date: August 30th 2004

