



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

Client: AMC, S.A.

Test date: 26/07/04

Test specimen: False ceiling (2 plasterboards) with 'Akustik 3+Sylomer' 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>

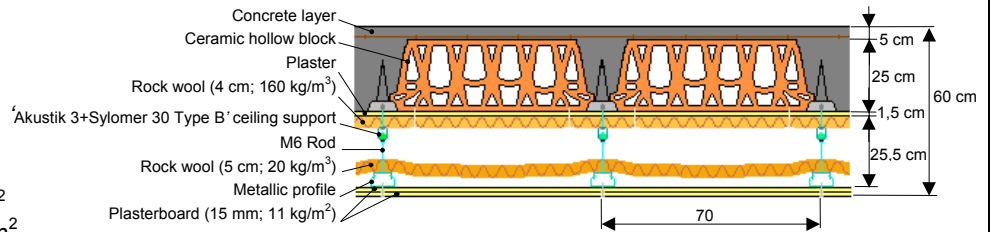
Source room volume: 53,6 m<sup>3</sup>

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

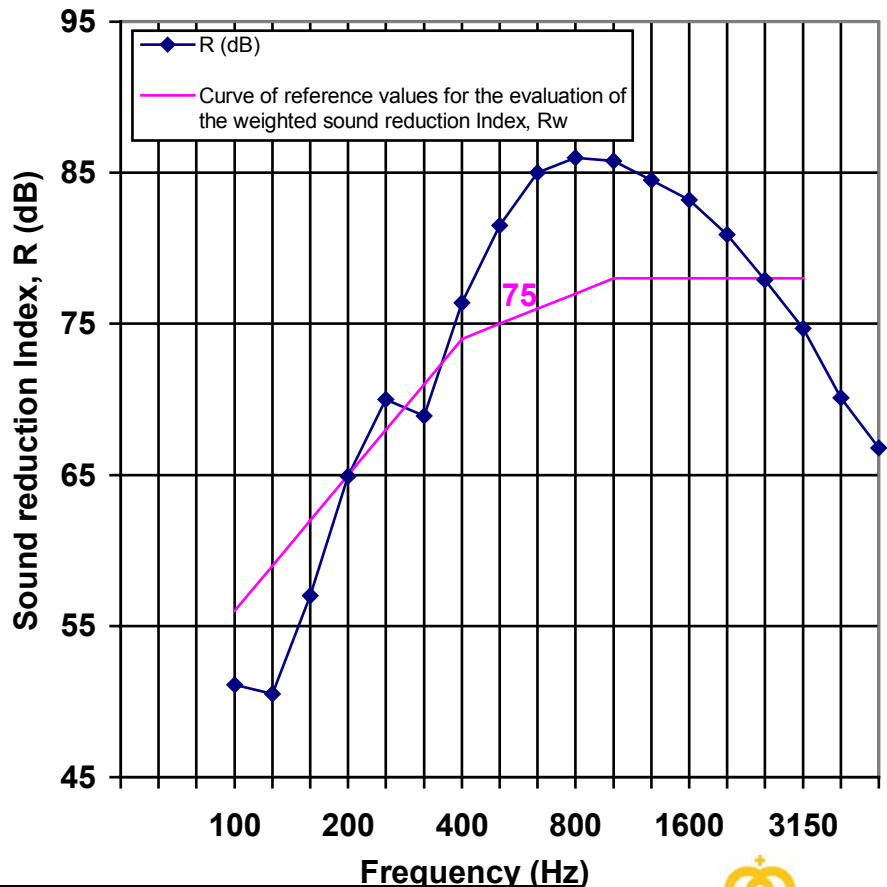
Mass per unit area estimated: 345 kg/m<sup>2</sup>

Air temperature: 20,2 °C

Air humidity: 76 %



f (Hz)	R (dB)
100.	51,1
125.	50,5
160.	57,0
200.	64,9
250.	70,0
315.	68,9
400.	76,4
500.	81,5
630.	85,0
800.	86,0
1000.	85,8
1250.	84,5
1600.	83,2
2000.	80,9
2500.	77,9
3150.	74,7
4000.	70,1
5000.	66,8



Rating according to: ISO 717-1:1996  $R_w(C;C_{tr})$ : 75 (-3 ; -8) dB  
 NBE-CA 88  $R(A)$ : 71,3 dB(A)  
*Evaluation based on laboratory measurement results obtained by an engineering method*  
*. Next to Rmax*



No. of result: B0082 – 26 – M58

Signature:

Acoustics Area  
 Managed by

Date: August 30th 2004

