

# Sound Insulation

According to  
ISO 140/3

# A5

Authorizing Company: ETEM S.A.

Dimensions in mm

## Specimen description:

Single sash side/bottom hung  
aluminium window E-2300 series

Area : 1,9 m<sup>2</sup>

Total glazing thickness: 22 mm

## Layers:

Thermal insulating glazing  
6+12+4 mm

Two rubber seals between  
sash frame and glazing

Three rubber seals between  
sash and frame

## Test rooms:

### Volumes:

$V_{source} = 29,7 \text{ m}^3$

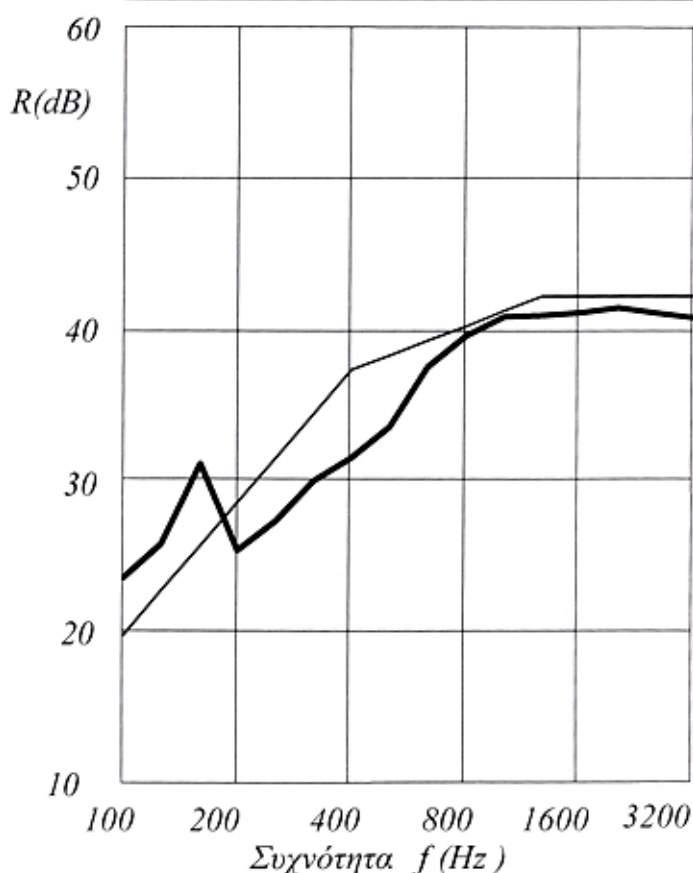
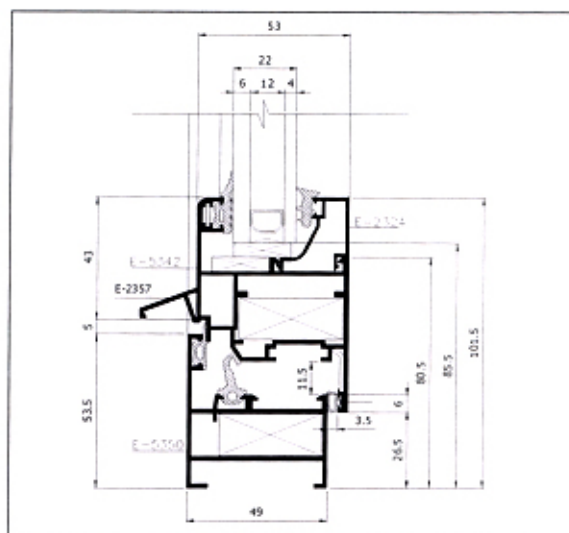
$V_{receiving} = 43,8 \text{ m}^3$

Type of room : Laboratory test room

Room condition: Empty

Excitation : White noise

Filter : 1/3 octave



Evaluation according to ISO 717/1

Weighted Sound Reduction Index

$R_W = 39 \text{ dB}$

f(Hz): 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150  
R(dB): 23,9 26,1 31,6 25,7 27,7 30,4 32,0 34,1 38,2 40,3 41,6 41,7 41,9 42,2 41,8 41,5

Test number: **A5.347.04**

Date of test: 23.04.2004 C

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Signature