

# 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: 23 mm

## Layers:

Thermal insulating glazing  
4+15+4 mm

Two rubber seals between  
sash frame and glazing

Three rubber seals between  
sash and frame

## Test rooms:

### Volumes:

V source = 29,7 m<sup>3</sup>

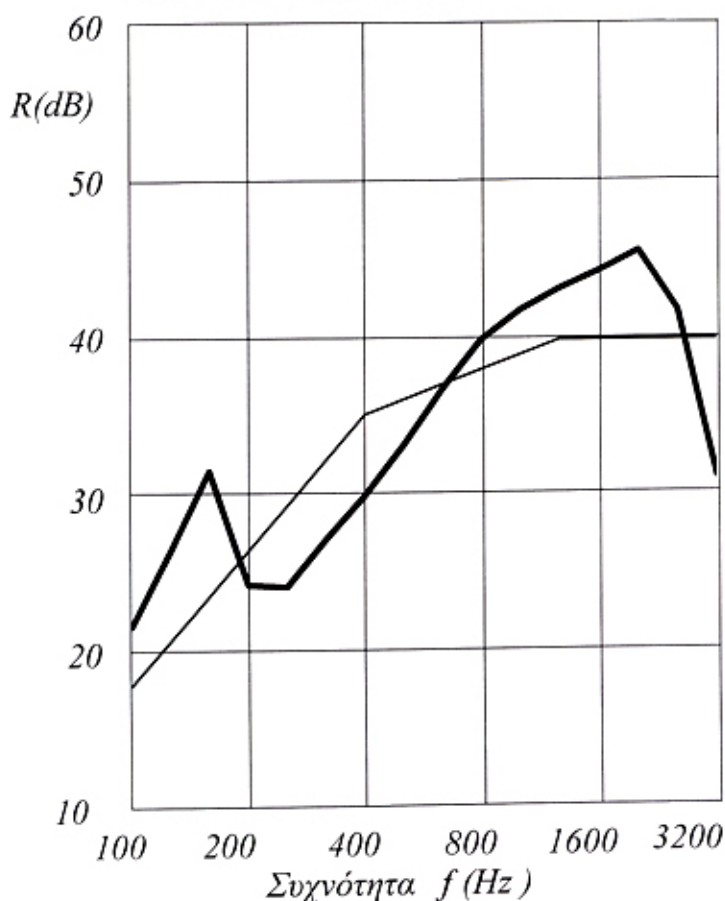
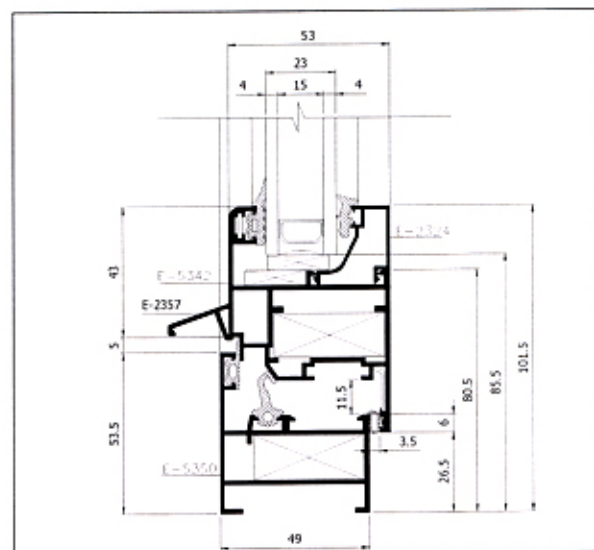
V receiving = 43,8 m<sup>3</sup>

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

$$R_w = 36 \text{ dB}$$

f(Hz): 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150  
 R(dB): 21,0 26,0 31,3 23,7 23,6 26,8 29,6 33,0 36,7 40,0 42,0 43,4 44,6 45,9 41,9 30,8

Test number: **A5.348.04**

Date of test: 23.04.2004 C

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Signature