

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-1000 series

Area : 1,9 m²

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:

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

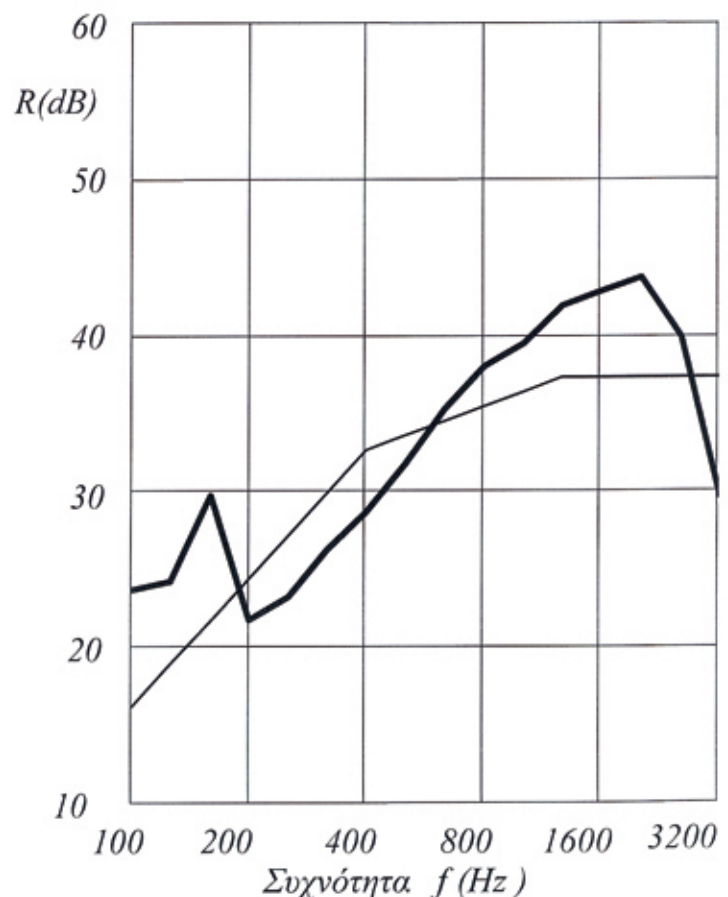
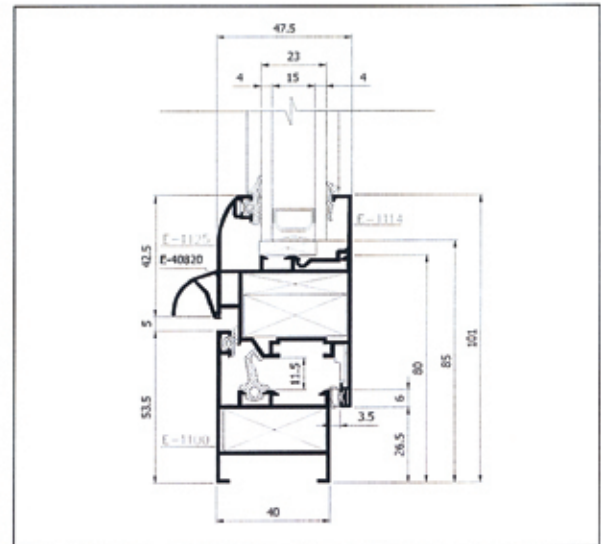
$V_{receiving} = 43,8 \text{ m}^3$

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

$R_w = 34 \text{ dB}$

f(Hz): 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150
R(dB): 23,2 23,8 29,8 21,1 22,7 26,0 28,6 32,0 35,8 38,7 40,3 43,0 44,0 45,0 40,8 29,7

Test number: **A5.345.04**

Date of test: 23.04.2004 C

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