

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

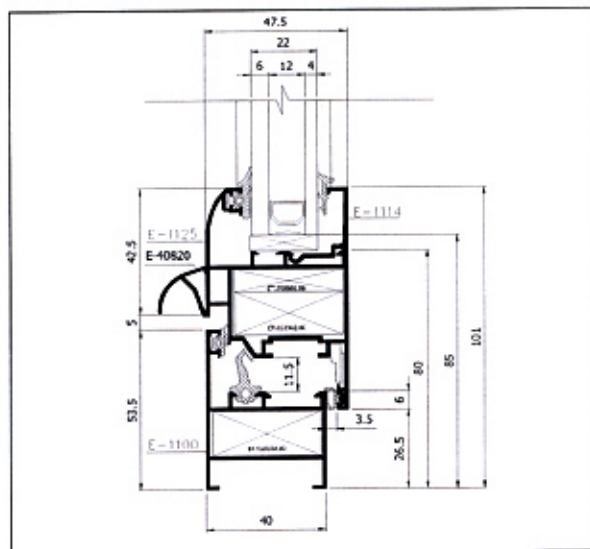
Total glazing thickness: 22 mm

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:

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

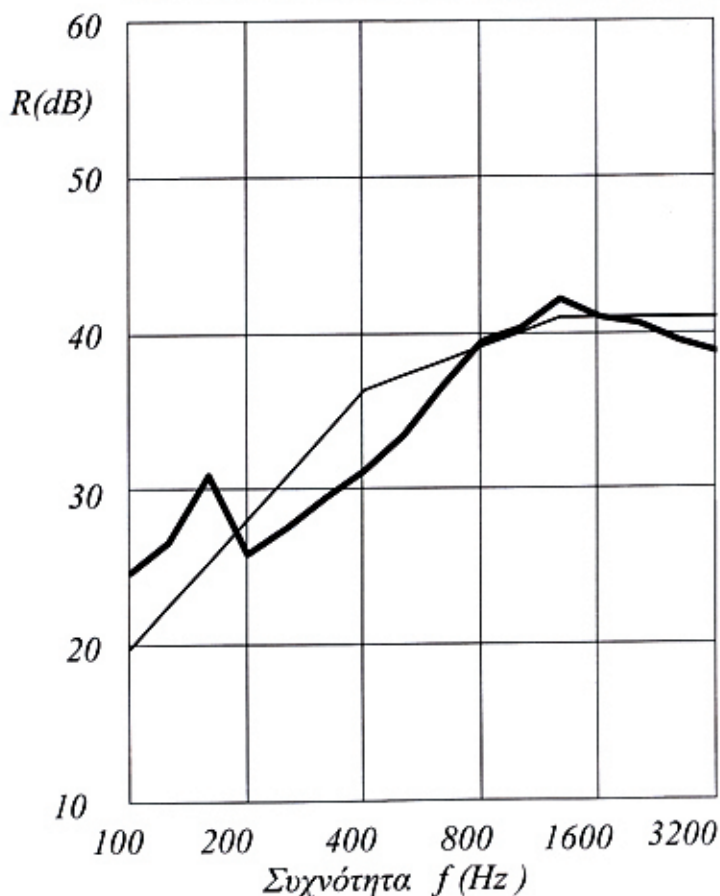
$V_{receiving} = 43,8 \text{ m}^3$

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

$R_w = 38 \text{ dB}$

f(Hz): 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150
R(dB): 24,3 26,4 31,1 25,6 27,4 29,5 31,4 33,8 37,2 40,3 41,3 43,3 42,0 41,6 40,3 39,5

Test number: **A5.346.04**

Date of test: 23.04.2004 C

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Signature