

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-40 series

Area : $1,9 \text{ m}^2$

Total glazing thickness: 43 mm

Layers:

Thermal insulating glazing

Monotherm (type FON 64)

(6+4)+24+(4+4) mm

Rubber seals between sash frame and
glazing

Three rubber seals between sash and
frame

Test rooms:

Volumes:

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

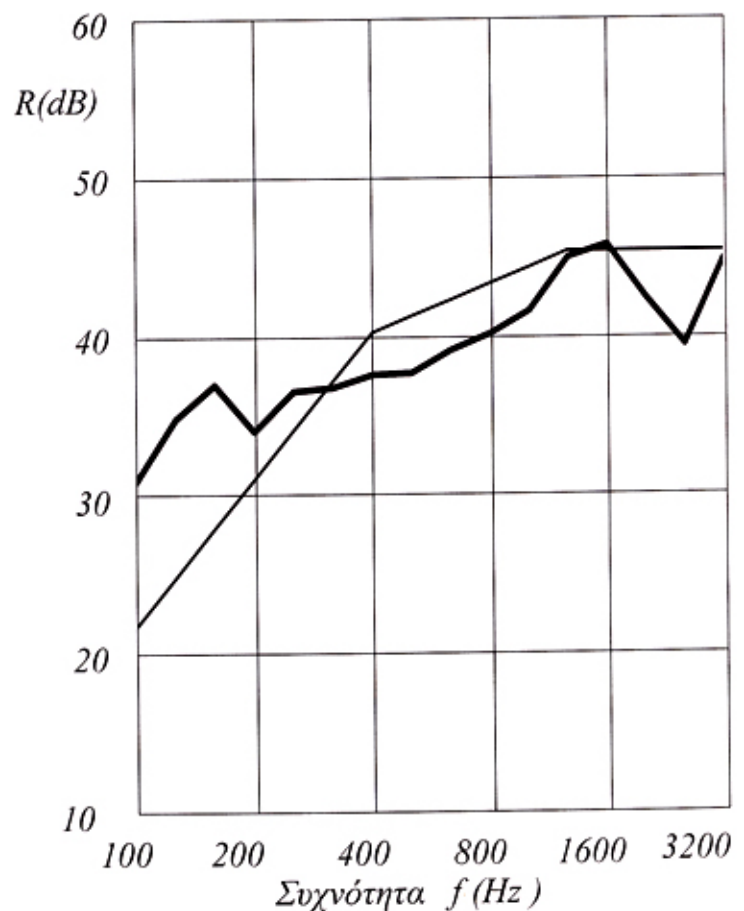
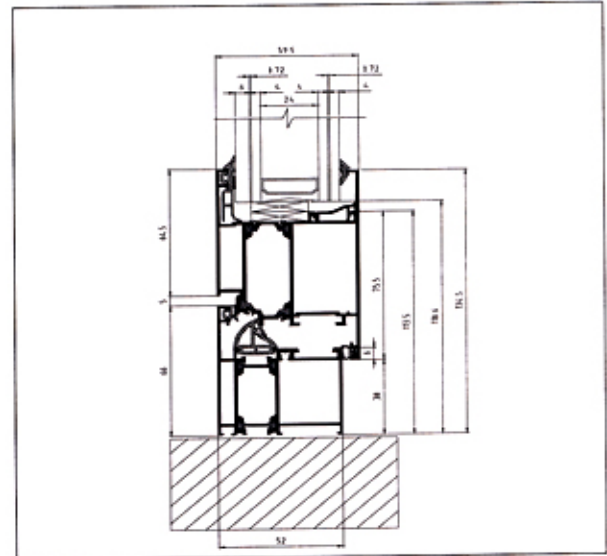
$V_{\text{receiving}} = 43,8 \text{ m}^3$

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

 $R_w = 41 \text{ dB}$ f(Hz): 100 **125** 160 200 **250** 315 400 **500** 630 800 **1000** 1250 1600 **2000** 2500 3150

R(dB): 30,9 34,7 36,8 33,9 36,4 36,6 37,4 37,5 38,9 39,9 41,3 44,6 45,4 42,1 39,2 44,4

Test number: **A5.331.03**Date of test: **30.06.2003 C**

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