

Sound Insulation

According to
ISO 140/3

A5

Authorizing Company: ETEM S.A

Dimensions in mm

Specimen description:

*Sliding aluminium window
E-19 series*

*Area : 1,9 m²
Total glazing thickness: 22 mm*

Layers:

*Thermal insulating glazing
4+14+4 mm
Two rubber seals between
sash frame and glazing
Three brushes between
sash and frame*

Test rooms:

Volumes:

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

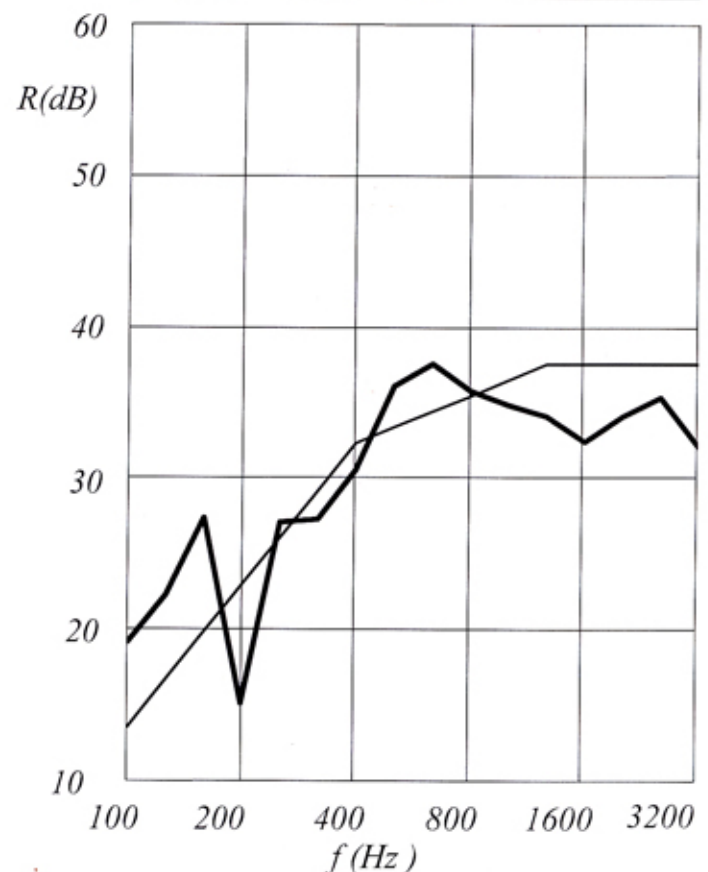
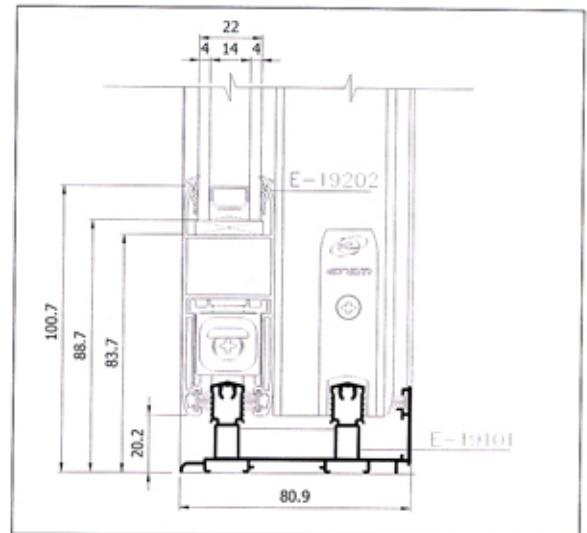
$V_{receiving} = 43,8 \text{ m}^3$

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): 20,4 23,4 28,3 16,5 28,0 28,2 31,3 36,6 38,0 36,3 35,4 34,7 33,1 34,7 35,9 32,8

Test number **A5.377.05**

Date of test: 16.05.2005 C

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Signature