

# 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 m<sup>2</sup>  
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:

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

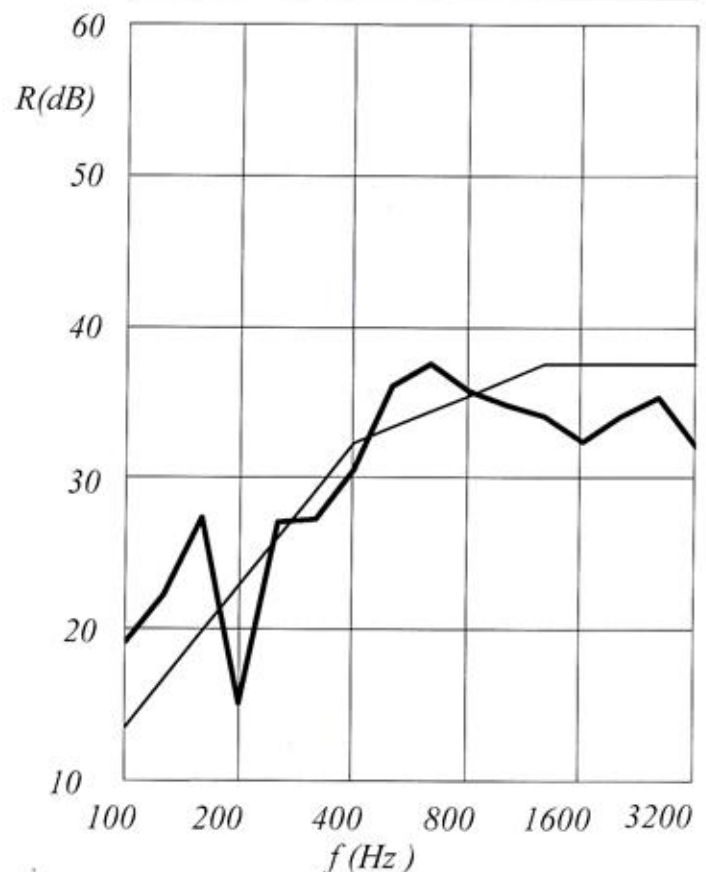
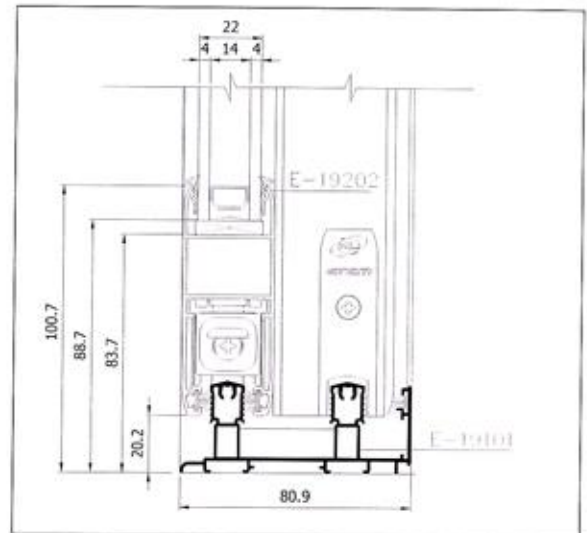
$V_{receiving} = 43,8 \text{ m}^3$

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**

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Signature