

# 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  
6+12+4 mm  
Two rubber seals between  
sash frame and glazing  
Three brushes between  
sash and frame*

## Test rooms:

### Volumes:

*V source = 29,7 m<sup>3</sup>*

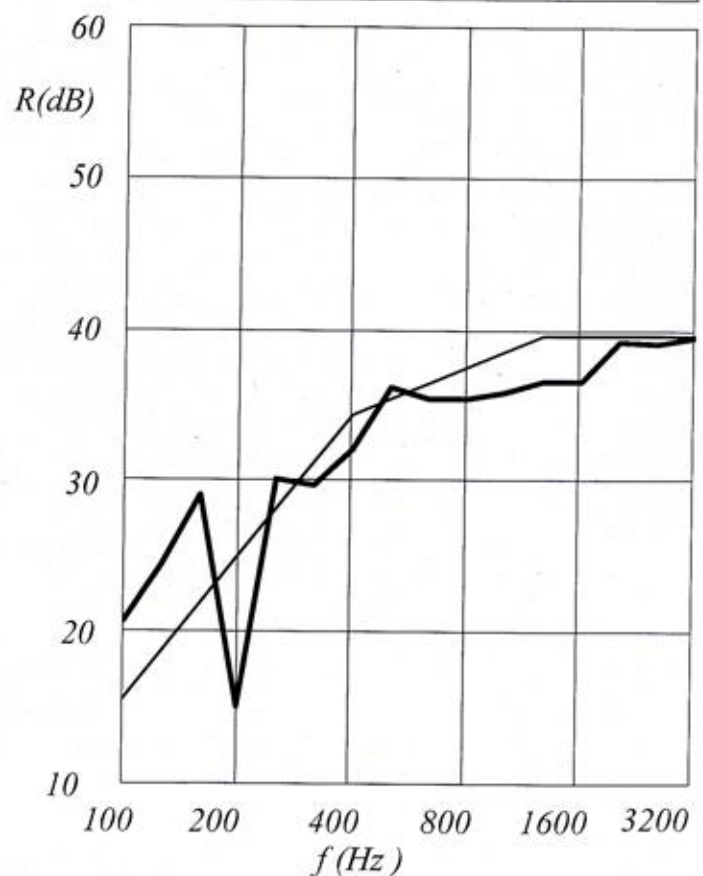
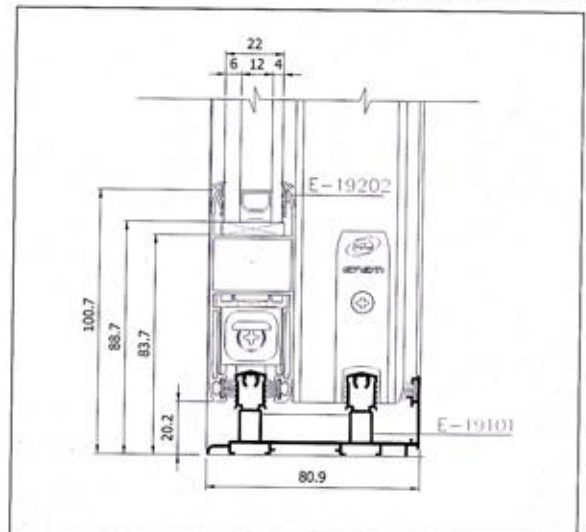
*V receiving = 43,8 m<sup>3</sup>*

*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

$R_w = 36 \text{ dB}$

f(Hz): 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150  
R(dB): 21,9 25,5 29,9 16,5 30,9 30,5 32,8 36,7 36,0 36,4 37,1 37,1 39,6 39,5 39,9

Test number

**A5.376.05**

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