Sound Insulation

According to ISO 140/3

Authorizing Company: ETEM S.A.

Specimen description:

Single sash side/bottom hung aluminium window E-2300 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 m³
V receiving = 43.8 m³

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

\[ R_W = 39 \text{ dB} \]

f(Hz): 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150
R(dB): 23.9 26.1 31.6 25.7 27.7 30.4 32.0 34.1 38.2 40.3 41.6 41.7 41.9 42.2 41.8 41.5

Test number: A5.347.04
Date of test: 23.04.2004 C

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