Sound Insulation According to ISO 140/3
Authorizing Company: ETEM S.A.

Specimen description:

Alouminium glass curtain wall system E-85 series.
Area: 8.15 m²
Total glazing thickness: 31 mm

Layers:

Thermal insulating glazing
6-16-4+4 mm
Rubber seals between glazing and cross bars - columns

Test rooms:

Volumes:
V source = 50.8 m³
V receiving = 43.0 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

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

\[
\begin{align*}
\text{f(\text{Hz})} & : \quad 100 \quad 125 \quad 160 \quad 200 \quad 250 \quad 315 \quad 400 \quad 500 \quad 630 \quad 800 \quad 1000 \quad 1250 \quad 1600 \quad 2000 \quad 2500 \quad 3150 \\
\text{R(dB)} & : \quad 25.5 \quad 31.6 \quad 31.6 \quad 30.9 \quad 28.6 \quad 28.5 \quad 34.7 \quad 36.8 \quad 39.1 \quad 39.9 \quad 40.2 \quad 40.9 \quad 40.0 \quad 38.9 \quad 40.5 \quad 45.7
\end{align*}
\]

Test number: A5.402.06
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Date of test: 23.06.2006 Π
Signature