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:**
*\( V_{\text{source}} = 29.7 \, \text{m}^3 \)*
*\( V_{\text{receiving}} = 43.8 \, \text{m}^3 \)*

*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*

\[ R_W = 34 \, \text{dB} \]

\( f(\text{Hz}): \quad 100 \quad 125 \quad 160 \quad 200 \quad 250 \quad 315 \quad 400 \quad 500 \quad 630 \quad 800 \quad 1000 \quad 1250 \quad 1600 \quad 2000 \quad 2500 \quad 3150 \)

\( R(\text{dB}): \quad 20.4 \quad 23.4 \quad 28.3 \quad 16.5 \quad 28.0 \quad 28.2 \quad 31.3 \quad 36.6 \quad 38.0 \quad 36.3 \quad 35.4 \quad 34.7 \quad 33.1 \quad 34.7 \quad 35.9 \quad 32.8 \)

**Test number**  A5.377.05  
**Date of test:** 16.05.2005 C