

Applicant: Franz Nüsing GmbH & Co. KG
D-48031 Münster

Prototype Testing

Test Object:

Dual skin movable separating wall of hollow panel construction, Type NW 100 KA (see figures 1 to 4 and table 2). The separating wall consisted of 4 individual elements, each 1022 mm x 2860 mm, one of which is implemented as a telescopic element.

Structure of the elements:

- 16 mm Panelling of wood chipboard
- 68 mm Intermediate space, therein 4 layers 15/10 mm mineral fibre (Manufacturer's designation: G + H, 73T 15/10), laid loosely
- 16 mm Panelling of wood chipboard.

Separating wall thickness: 100 mm
Weight per unit area: 29 kg/m².

Translated by: PTS GmbH
1A, rue de la Laiterie
L-9910 Troisvierges



For further descriptions see text part, page 2.

Test area: 12.5 m²

Test rooms:

Volumes: V_s = 68.7 m³
V_e = 76.3 m³
Type: Laboratory
State: empty

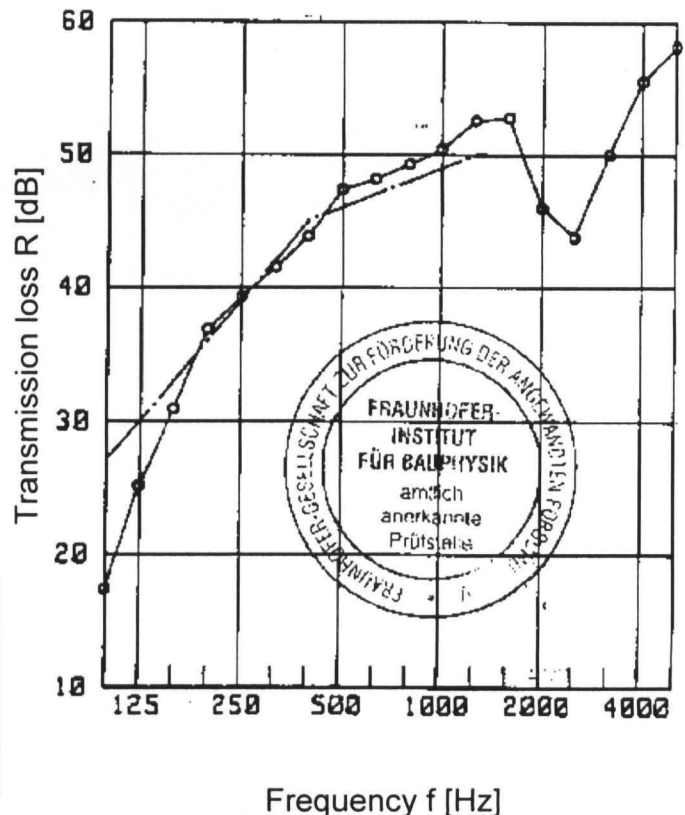
Test Conditions:

Air temperature: 19 °C
Rel. air humidity: 44 %

Test date: 9th May 1995

Assessed transmission loss and spectrum matching value

$$R_w (C; C_{tr}; C_{100-5000}; C_{tr100-5000}) = 46 (-3; -10; -2; -10) \text{ dB}$$



Stuttgart, the
12th September 1995

**Fraunhofer-Institut für Bauphysik
(Fraunhofer Institute for Building Physics)**

Test Facility Manager: