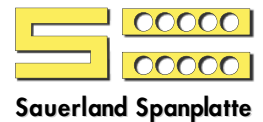


Sound Insulation Index ISO 140-3:1995

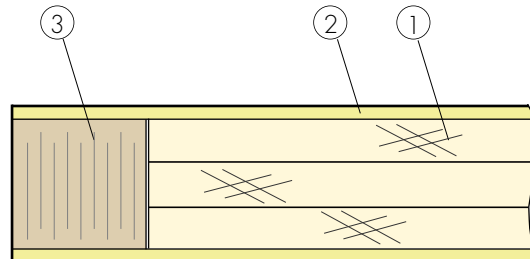
Laboratory measurement of airborne sound insulation
Sponsor: Sauerland Spanplatte



Internal Test

Construction of the test specimen:

- Door leaf 1000 x 2000 x 39,0 mm
- 1 : Solid particle board 3 x 11 VL, spotly glued
- 2 : Hardboard 3 mm
- 3 : Homogeneous Wood VA 35 mm



Test opening: 2,00 m²

Weight of test specimen: 25,0 kg/m²

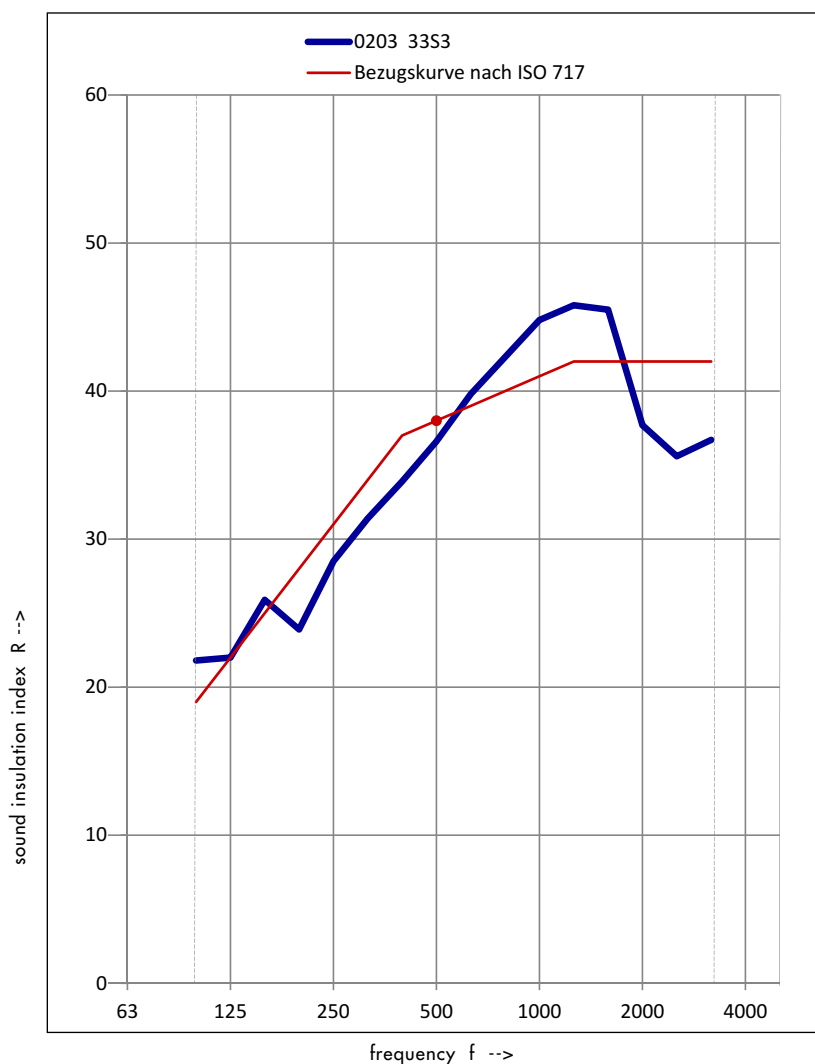
Temperature [°C]: 18

Humidity [%]: 56

Source room volumes: 72 m³

Receiver room volumes: 70 m³

frequency [Hz]	R [dB]
50	-.
63	-.
80	-.
100	22.1
125	22.4
160	26.2
200	24.2
250	28.8
315	31.7
400	34.3
500	36.9
630	40.2
800	42.6
1000	45.2
1250	46.2
1600	45.8
2000	38.1
2500	35.9
3150	37.0
4000	-.
5000	-.



Airborne sound

insulation $R_{WV}(C, C_{tr}) = 38 (-1; -4)$ dB

C50_3150: - C50_5000: - C100_5000: -

Ctr50_3150: - Ctr50_5000: - Ctr100_5000: -

Sauerland-Service-Centre

Order number: 0203-1/95
Gotha, 31.03.1995