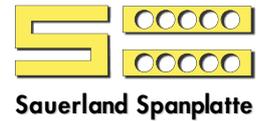


Sound Insulation Index ISO 140-3:1995

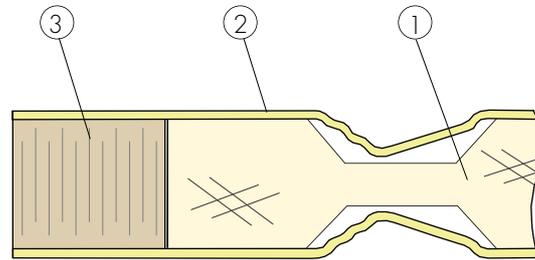
Laboratory measurement of airborne sound insulation
Sponsor: Sauerland Spanplatte



Internal Test

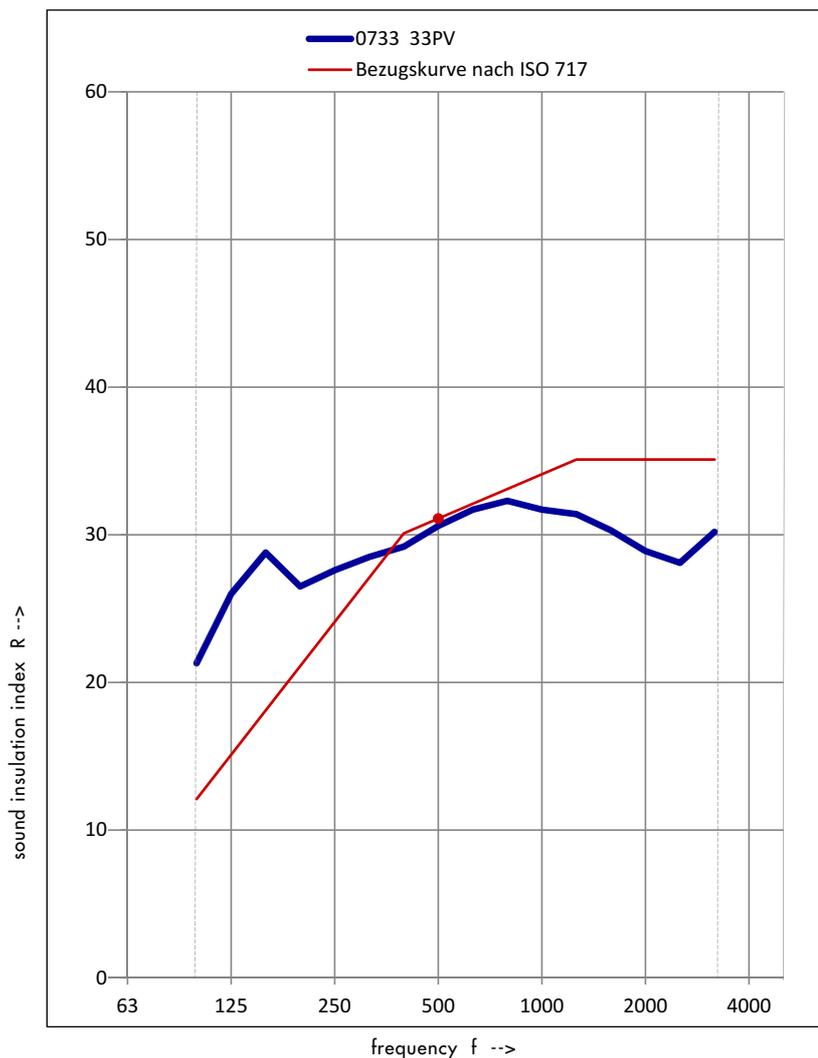
Construction of the test specimen:

- Door leaf 985 x 1985 x 39,0 mm, sealed
- 1 : Solid particle board 33 PV
- 2 : Hardboard 3 mm MASONITE 6-Panel
- 3 : Homogeneous Wood VA 38 mm



Test opening: 2,00 m²
Weight of test specimen: 17,0 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	22.4
125	27.2
160	29.9
200	27.6
250	28.6
315	29.7
400	30.3
500	31.8
630	32.8
800	33.5
1000	32.7
1250	32.5
1600	31.4
2000	30.0
2500	29.1
3150	31.3
4000	-.-
5000	-.-



Airborne sound
insulation $R_{WV} (C, C_{tr}) = 32 (-1; -1) \text{ dB}$
 $C_{50_3150} : -$ $C_{50_5000} : -$ $C_{100_5000} : -$
 $C_{tr50_3150} : -$ $C_{tr50_5000} : -$ $C_{tr100_5000} : -$

Sauerland-Service-Centre

Order number: 0733-01/96
Gotha, 17.12.1996