

Sound Insulation Index ISO 140-3:1995

Laboratory measurement of airborne sound insulation
Sponsor: Sauerland Spanplatte



Internal Test

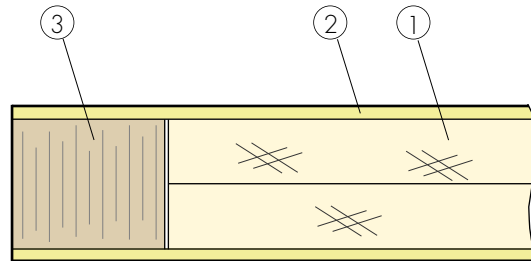
Construction of the test specimen:

Door leaf 1000 x 2000 x 39 mm

1 : 33 S2 (2x16,5mm VL, clamped)

2 : Hardboard 3 mm

3 : 33 VA 40 mm



Test opening: 2,00 m²

Weight of test specimen: 25,0 kg/m²

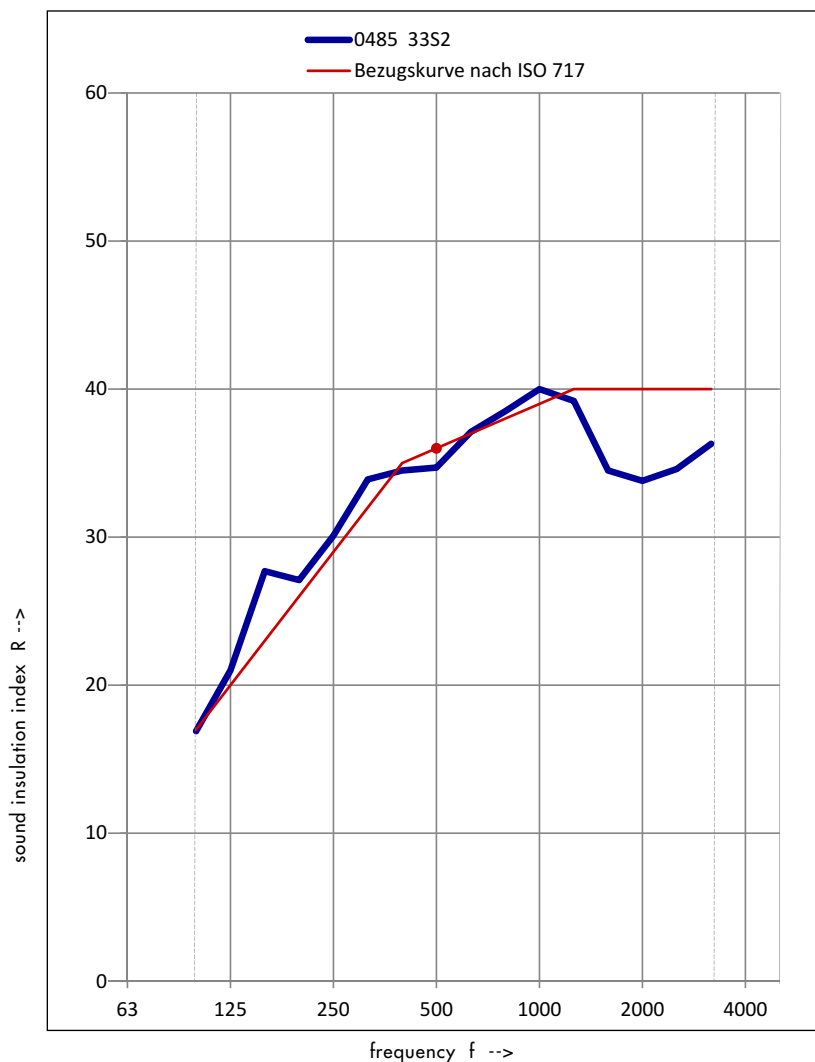
Temperature [°C]: 18

Humidity [%]: 56

Source room volumes: 72 m³

Receiver room volumes: 70 m³

frequency [Hz]	R [dB]
50	-. -
63	-. -
80	-. -
100	17,1
125	21,2
160	27,9
200	26,6
250	30,3
315	34,1
400	34,7
500	34,7
630	37,3
800	38,4
1000	39,7
1250	39,4
1600	34,7
2000	34,0
2500	34,8
3150	36,5
4000	-. -
5000	-. -



Airborne sound

insulation $R_{WV}(C, C_{tr}) = 36 (-1; -4)$ dB

C50_3150: - C50_5000: - C100_5000: -

Ctr50_3150: - Ctr50_5000: - Ctr100_5000: -

Sauerland-Service-Centre

Order number: 485-1/96

Gotha, 12.04.1996