

Sound Insulation Index ISO 140-3:1995

Laboratory measurement of airborne sound insulation
Sponsor: Sauerland Spanplatte

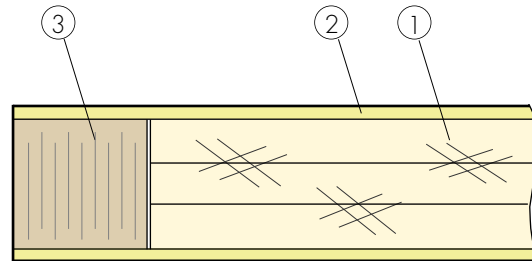


Internal Test

Construction of the test specimen:

Door leaf 1000 x 2000 x 39,0 mm

- 1 : Solid particle board 3 x 11VL nailed
- 2 : Hardboard 3 mm, lacquered white
- 3 : Homogeneous Wood VA 35 mm



Test opening: 2,00 m²

Weight of test specimen: 25 kg/m²

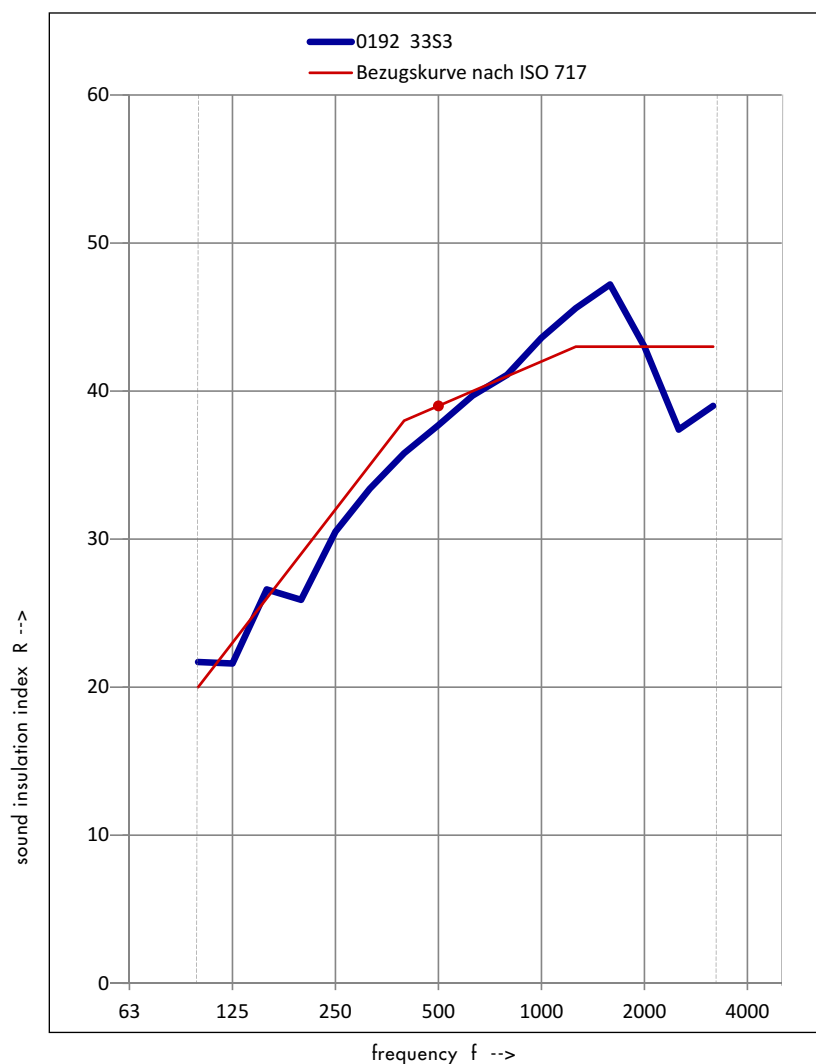
Temperature [°C]: 18

Humidity [%]: 56

Source room volumes: 72 m³

Receiver room volumes: 70 m³

frequency [Hz]	R [dB]
50	-. -
63	-. -
80	-. -
100	21.7
125	21.6
160	26.6
200	25.9
250	30.5
315	33.4
400	35.8
500	37.7
630	39.7
800	41.1
1000	43.6
1250	45.6
1600	47.2
2000	43.0
2500	37.4
3150	39.0
4000	-. -
5000	-. -



Airborne sound

insulation $R_{VV} (C, C_{tr}) = 39 (-2.0; -5.4) \text{ dB}$

C50_3150: - C50_5000: - C100_5000: -

Ctr50_3150: - Ctr50_5000: - Ctr100_5000: -

Sauerland-Service-Centre

Order number: 0192/95

Gotha, 31.03.1995