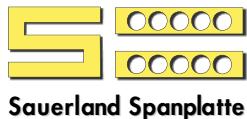


Sound Insulation Index ISO 140-3:1995

Laboratory measurement of airborne sound insulation
Sponsor: Sauerland Spanplatte



Internal Test

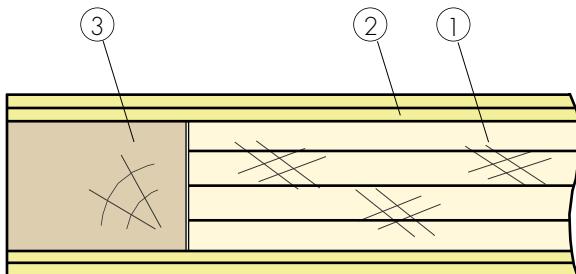
Construction of the test specimen:

Door leaf 1000 x 2000 x 60,0 mm, sealed

1 : Solid particle board 48 S4 (4 x 12 VL)

2 : Hardboard 2 x 3 mm

3 : Spruce



Test opening: 2,00 m²

Weight of test specimen: 42,0 kg/m²

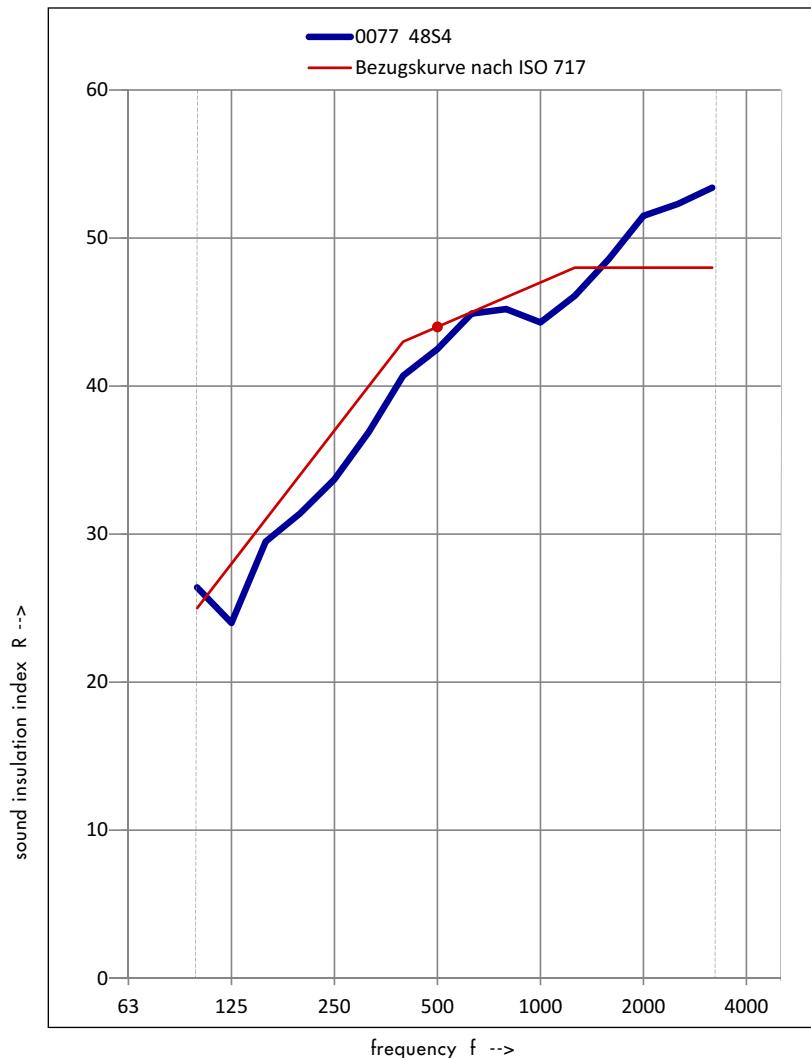
Temperature [°C]: 18

Humidity [%]: 56

Source room volumes: 72 m³

Receiver room volumes: 70 m³

frequency [Hz]	R [dB]
50	-.-
63	-.-
80	-.-
100	26.5
125	24.1
160	29.6
200	31.5
250	33.8
315	37.0
400	40.8
500	42.6
630	45.0
800	45.3
1000	44.4
1250	46.2
1600	48.6
2000	51.6
2500	52.4
3150	53.5
4000	-.-
5000	-.-



Airborne sound

insulation $R_{VW}(C, C_{tr}) = 44 (-1; -6) \text{ dB}$

C50_3150: - C50_5000: - C100_5000: -

Ctr50_3150: - Ctr50_5000: - Ctr100_5000: -

Sauerland-Service-Centre

Order number: 0077-1/94
Gotha, 28.06.1994