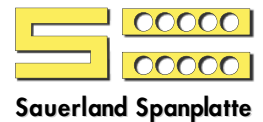


Sound Insulation Index ISO 140-3:1995

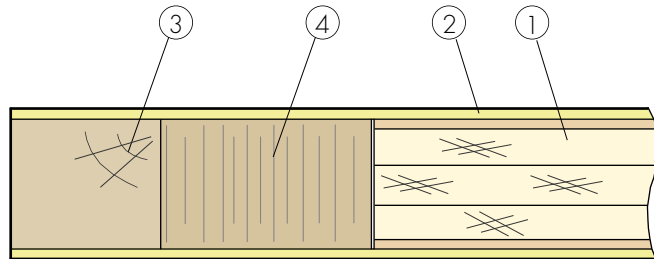
Laboratory measurement of airborne sound insulation
Sponsor: Sauerland Spanplatte



Internal Test

Construction of the test specimen:

- Door leaf 985 x 1985 x 45,5 mm , sealed
1 : 39 S3K
(3mm Cork/ 3x11VL/ 3mm Cork)
2 : Hardboard 3 mm
3 : Hardwood 55 mm
4 : LSL Timberstrand 60 mm



Test opening: 2,00 m²

Weight of test specimen: 28,0 kg/m²

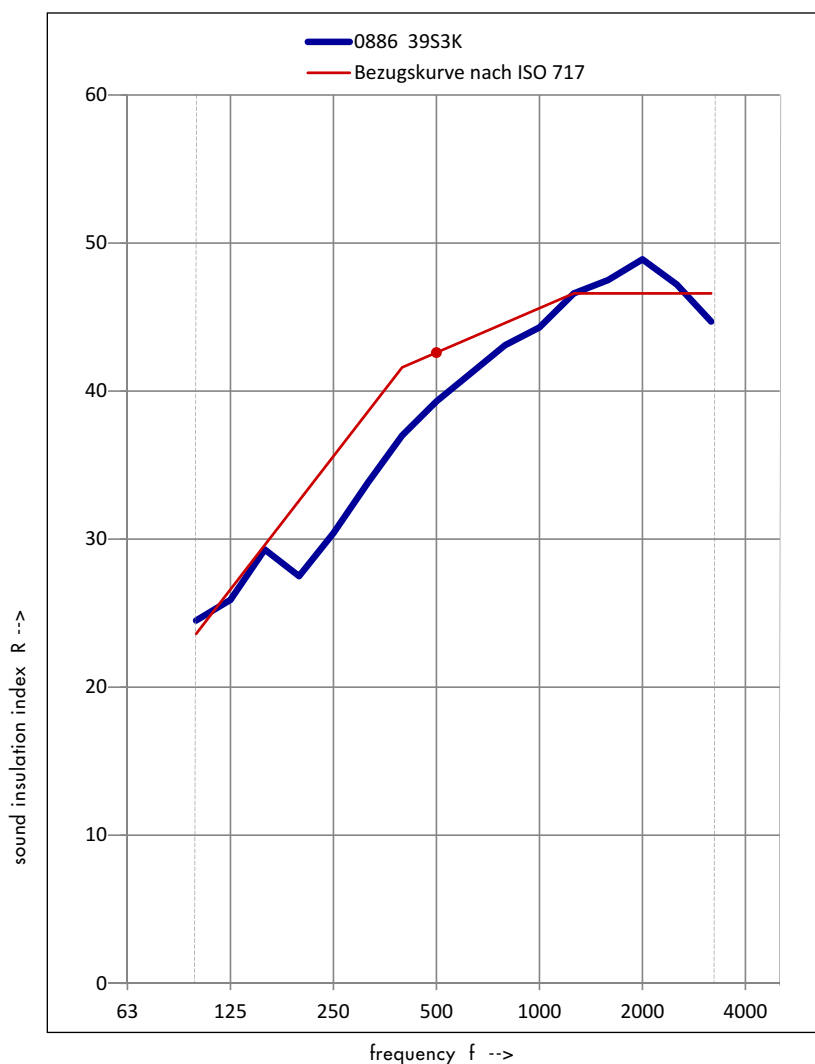
Temperature [°C]: 18

Humidity [%]: 56

Source room volumes: 72 m³

Receiver room volumes: 70 m³

frequency [Hz]	R [dB]
50	-.-
63	-.-
80	-.-
100	24,7
125	26,1
160	29,5
200	27,7
250	30,6
315	34,0
400	37,2
500	39,5
630	41,4
800	43,3
1000	44,6
1250	46,8
1600	47,7
2000	49,1
2500	47,4
3150	44,9
4000	47,3
5000	49,5



Airborne sound

insulation $R_{WV}(C, C_{tr}) = 42 (-1; -5)$ dB

C50_3150: - C50_5000: - C100_5000: 0 dB

Ctr50_3150: - Ctr50_5000: - Ctr100_5000: -5 dB

Sauerland-Service-Centre

Order number: 886-1/1997

Gotha, 27.03.1997