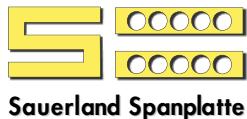


# Sound Insulation Index ISO 140-3:1995

Laboratory measurement of airborne sound insulation  
Sponsor: Sauerland Spanplatte



## Internal Test

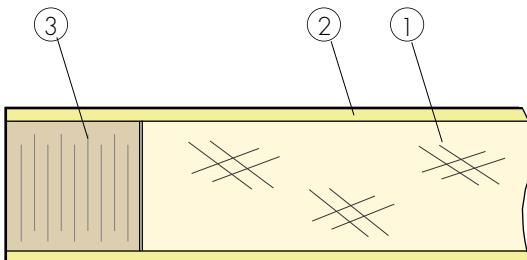
Construction of the test specimen:

Door leaf 900 x 2010 x 39,6 mm

1 : Solid particle board 33 VT

2 : Hardboard 3 mm

3 : Homogeneous Wood VA 35 mm



Test opening: 2,00 m<sup>2</sup>

Weight of test specimen: 21,75 kg/m<sup>2</sup>

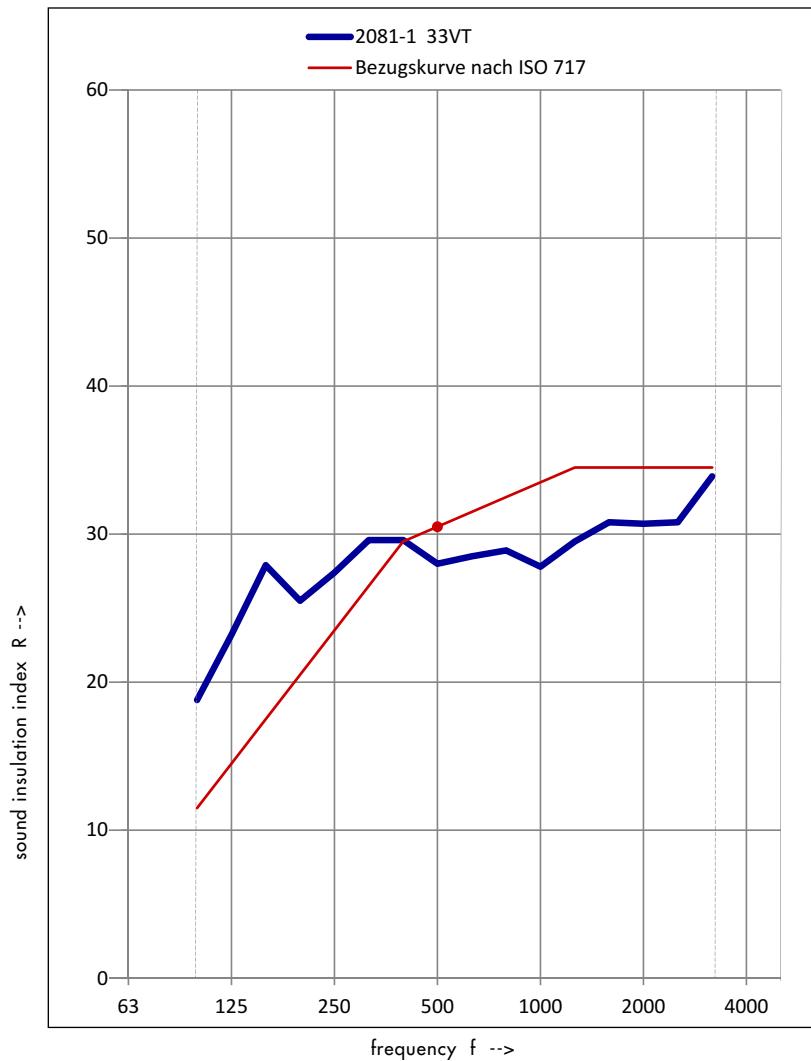
Temperature [°C]: 18

Humidity [%]: 56

Source room volumes: 72 m<sup>3</sup>

Receiver room volumes: 70 m<sup>3</sup>

frequency [Hz]	R [dB]
50	-.-
63	-.-
80	-.-
100	20.9
125	24.3
160	28.4
200	25.9
250	27.8
315	30.0
400	30.1
500	28.4
630	28.9
800	29.2
1000	28.4
1250	29.9
1600	31.2
2000	31.1
2500	31.7
3150	34.3
4000	35.7
5000	37.4



### Airborne sound

insulation  $R_{VW}(C, C_{tr}) = 31 (-1; -2) \text{ dB}$

C50\_3150: - C50\_5000: - C100\_5000: -1

Ctr50\_3150: - Ctr50\_5000: - Ctr100\_5000: -2

Sauerland-Service-Centre

Order number: 2081/2002  
Gotha, 22.10.2002