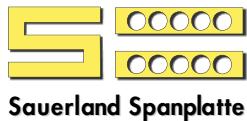


# Sound Insulation Index ISO 140-3:1995

Laboratory measurement of airborne sound insulation  
Sponsor: Sauerland Spanplatte



## Internal Test

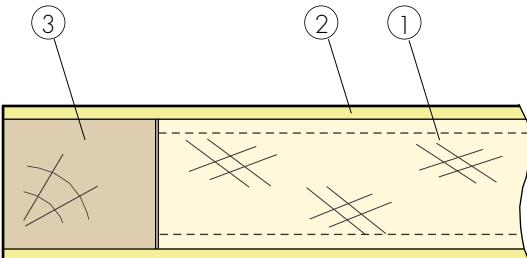
Construction of the test specimen:

Door leaf 1000 x 2000 x 39,0 mm

1 : Tubular particle board 33 RT<sub>7</sub>

2 : Hardboard 3 mm

3 : Spruce 40 mm



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

Weight of test specimen: 16,1 kg/m<sup>2</sup>

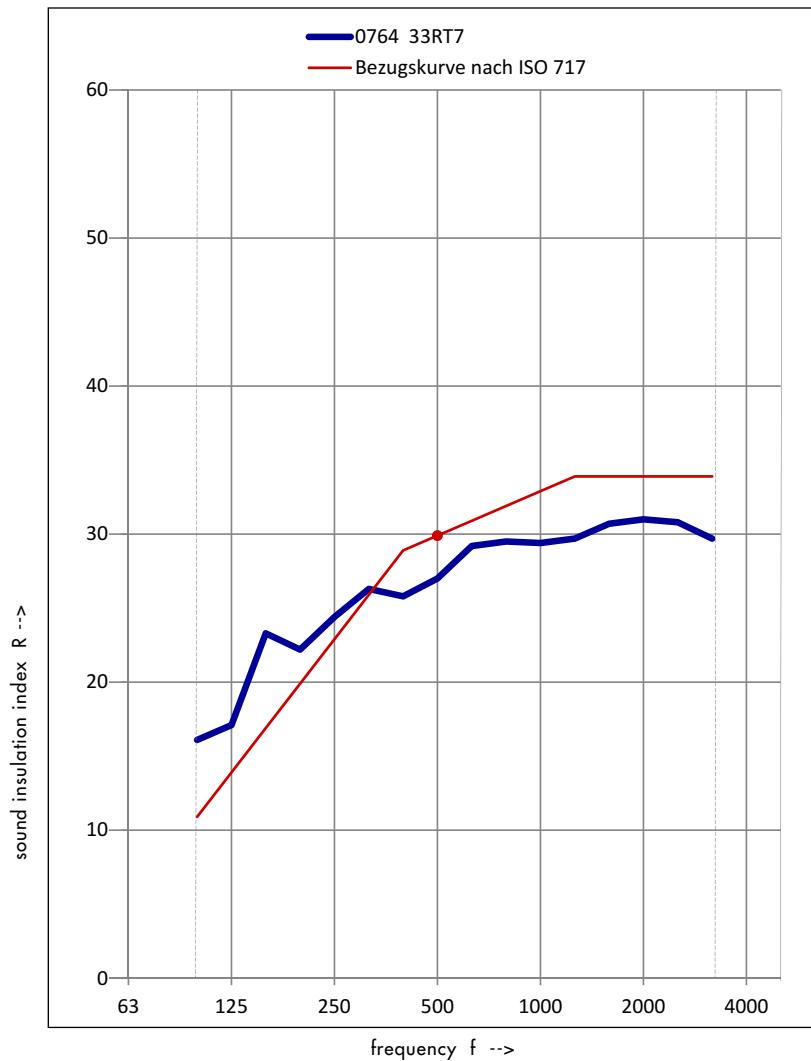
Temperature [°C]: 18

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	15.9
125	17.1
160	23.2
200	22.2
250	24.3
315	26.3
400	25.8
500	27.0
630	29.1
800	29.5
1000	29.3
1250	29.5
1600	30.6
2000	31.0
2500	30.7
3150	29.7
4000	-.-
5000	-.-



### Airborne sound

insulation R<sub>WV</sub> (C, C<sub>tr</sub>) = 29 ( 0; -2) dB

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

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

Sauerland-Service-Centre

Order number: 0764/97  
Gotha, 26.02.1997