Sound reduction index following DIN 52 210

Type testing
Annex **2**

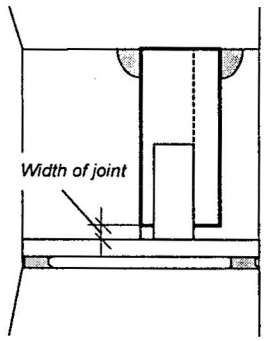
Test specimen:

Joint seal Deventer S 6577

Geometry of the joint:

Length: 1260 mm
Rebate: simple

Test arrangement



Profile

Drawing of the test arrangement
(no true to scale)

Test date 13 January 2000

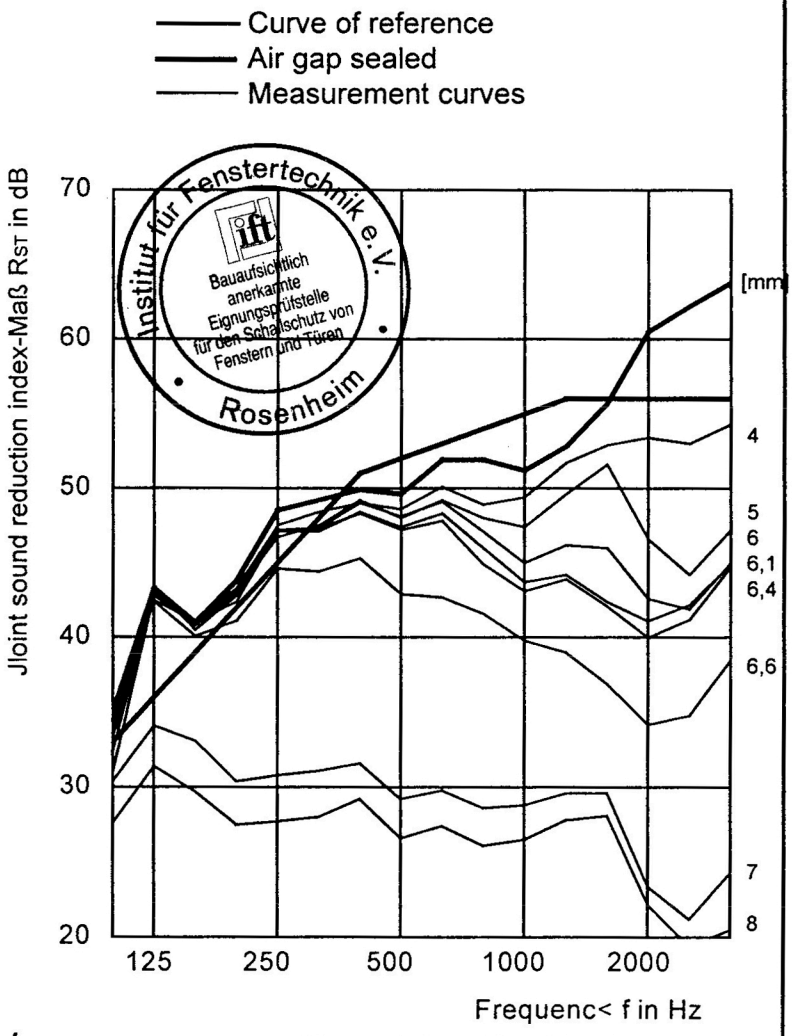
Test length 1.26 m

Laboratory partition wall
Two-leaf concrete wall, DIN 52210 part 2 (1984)

Volumes of test rooms
V_S = 109,9 m^3
V_E = 101,3 m^3

Maximum sound reduction index
$R_{w,max}$ = 54 dB (related to test length)

Mounting conditions
Insertion of cassette into highly sound insulating element.



$R_{ST,w}$ from diagram R(f)

Weighted sound reduction index of seals

Rebate joint sealed	$R_{ST,w}$ = 54 dB
Width of joint 4 mm	$R_{ST,w}$ = 51 dB
Width of joint 5 mm	$R_{ST,w}$ = 48 dB
Width of joint 6 mm	$R_{ST,w}$ = 45 dB
Width of joint 6.1 mm	$R_{ST,w}$ = 44 dB
Width of joint 6.4 mm	$R_{ST,w}$ = 43 dB
Width of joint 6.6 mm	$R_{ST,w}$ = 38 dB
Width of joint 7 mm	$R_{ST,w}$ = 27 dB
Width of joint 8 mm	$R_{ST,w}$ = 25 dB

Test report no.: **167 22391/1 e**

i.f.t. Rosenheim, *19 January 2000*

Head of acoustic testing laboratory
Dr. Rolf Schumacher

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ROSENHEIM