

Datasheet

Sound reduction

Laboratory measurements of airborne sound insulation of building elements

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Test specimen: AMF-Thermatex Acoustic; 600 x 600mm

Test construction:

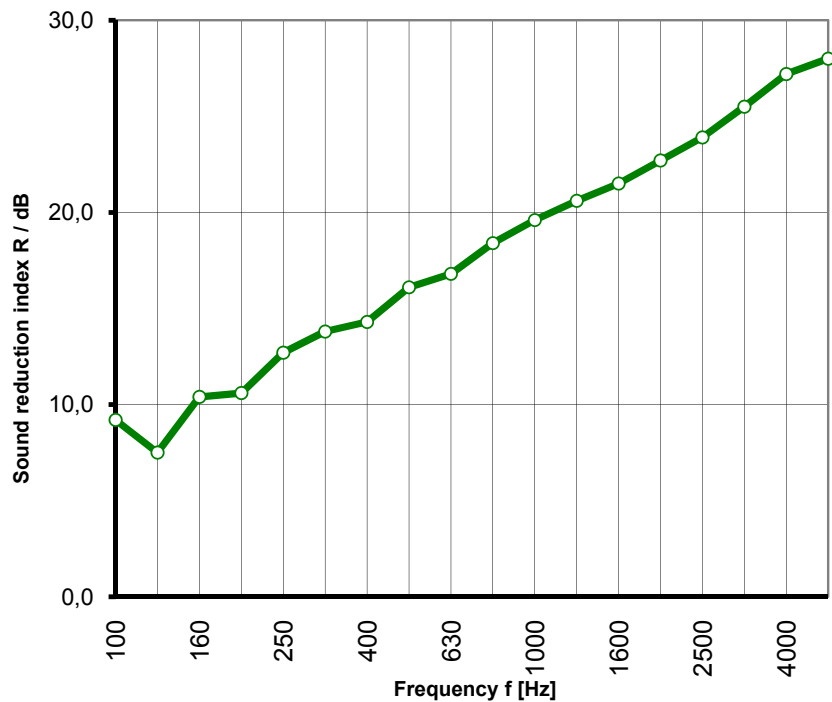
19 mm Test specimen with edge detail: SK

butt cut; joints sealed with putty

- test in accordance with BS EN 20140-3



Frequency [Hz]	R [dB]
100	9,2
125	7,5
160	10,4
200	10,6
250	12,7
315	13,8
400	14,3
500	16,1
630	16,8
800	18,4
1000	19,6
1250	20,6
1600	21,5
2000	22,7
2500	23,9
3150	25,5
4000	27,2
5000	28,0



Rating according to ISO 717-1

Weighted sound reduction index

R_w (C ; C_{tr}) = 20 (-1 ; -3) dB

Evaluation based on laboratory measurement results obtained by an engineering method

	100 - 3150 Hz	100 - 5000Hz
C	-1 dB	0 dB
C _{tr}	-3 dB	-3 dB

Rating according to ASTM E413 and ASTM E1414

Sound Transmission Class STC = 20

This datasheet is based on Test Report No.:

C/03/5L/0886/3

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