

Datasheet

Sound reduction

Laboratory measurements of airborne sound insulation of building elements

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Test specimen: AMF-THERMATEX dB Acoustic, 600 x 600mm

Test construction:

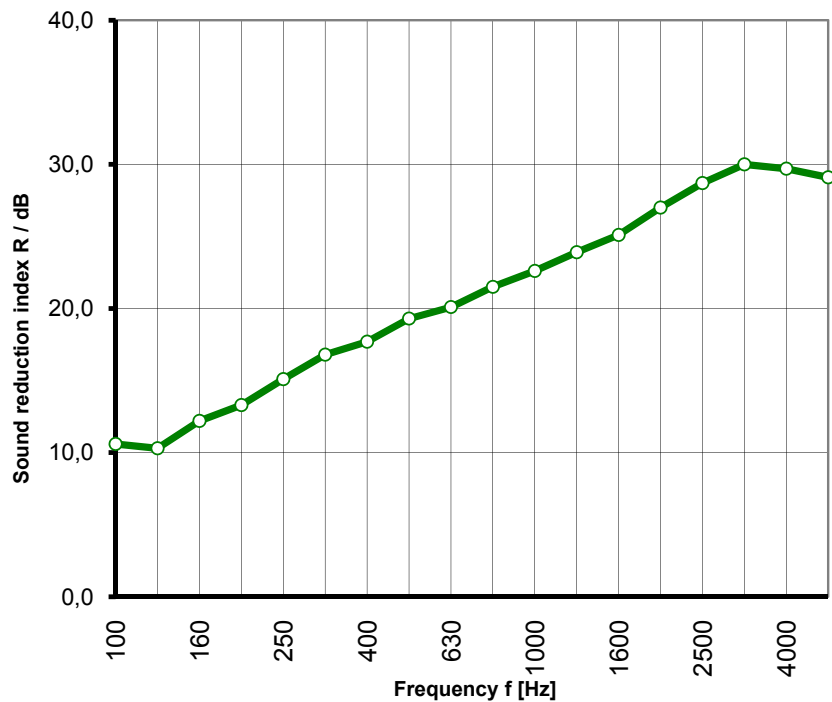
24 mm Test specimen with edge detail: SK

butt cut; joints sealed with putty

test in accordance with BS EN 20140-3



Frequency [Hz]	R [dB]
100	10,6
125	10,3
160	12,2
200	13,3
250	15,1
315	16,8
400	17,7
500	19,3
630	20,1
800	21,5
1000	22,6
1250	23,9
1600	25,1
2000	27,0
2500	28,7
3150	30,0
4000	29,7
5000	29,1



Rating according to ISO 717-1		
Weighted sound reduction index		
R_w (C ; C_{tr}) = 23 (-1 ; -3) dB		
Evaluation based on laboratory measurement results obtained by an engineering method		100 - 3150 Hz
	C	-1 dB
	C _{tr}	-3 dB
		100 - 5000Hz
		0 dB
		-3 dB

Rating according to ASTM E413 and ASTM E1414	
Sound Transmission Class	STC = 23

This datasheet is based on Test Report No.: C/03/5L/0886/3 16.04.04

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