

Predicted R,w airborne sound insulation index.

Contracting authority: "AEROC" Ltd.

Identification and description : Airoc blocks wall.

Document reg. Reģ. Nr.090/2015 KM2.1

Thicknes of construction : 230,0 mm

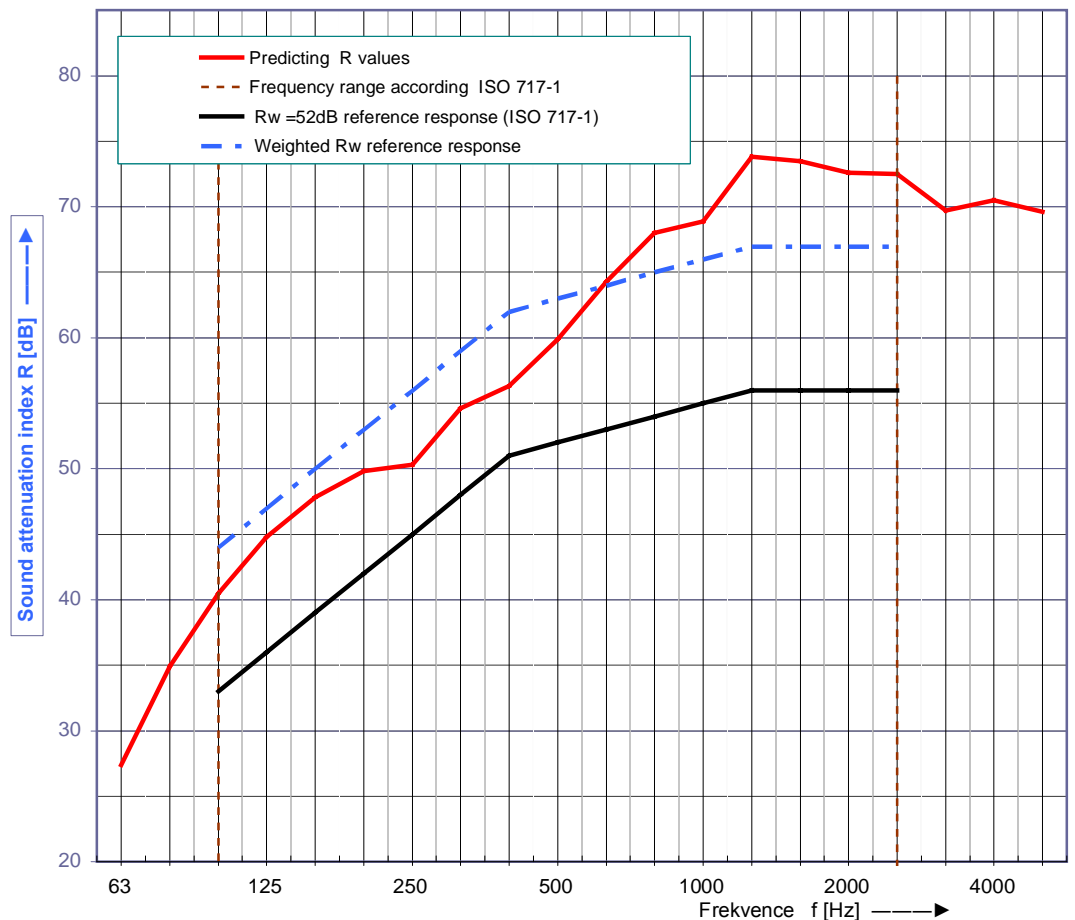
Surface weight : 97,63 kg/m²

identification:

No. and Material	≠ [mm]	ρ [kg/m ³]
1 Aeroc Plade	100,0	535
2 Mineralwool "RockWool "Isover RKL"	50,0	80
3 Air gap,	5,0	0
4 Aeroc Plade	75,0	535
5		
7		
8		
9		
10		



Freq. f [Hz]	R 1/3 oct. [dB]
50	19,0
63	27,4
80	34,9
100	40,5
125	44,8
160	47,8
200	49,8
250	50,3
315	54,6
400	56,3
500	59,9
630	64,3
800	68,0
1000	68,9
1250	73,8
1600	73,5
2000	72,6
2500	72,5
3150	69,7
4000	70,5
5000	69,6
6300	-
8000	-
10000	-



Skaņas izolācijas indekss, R_w (C;C_{tr}), kas novērtēts atbilstoši LVS ISO 717-1:2000 prasībām :

R_w (C;C_{tr}) = **63 -2 -7 dB** C 50-3150 = **-7 dB** C 50-5000 = **-6 dB** C 100-5000 = **-1 dB**

Sound insulation index R,w forecasted

C_{tr} 50-3150 = **-7 dB** C_{tr} 50-5000 = **-20 dB** C_{tr} 100-5000 = **-7 dB**

with error ± 2dB without sound flanking.

1) Use of computer programs "Insul", "Bastian", and the laboratory measurement database of "R&D Akustika Ltd. (Report No. 744 / 2015 - AL 8.4)".