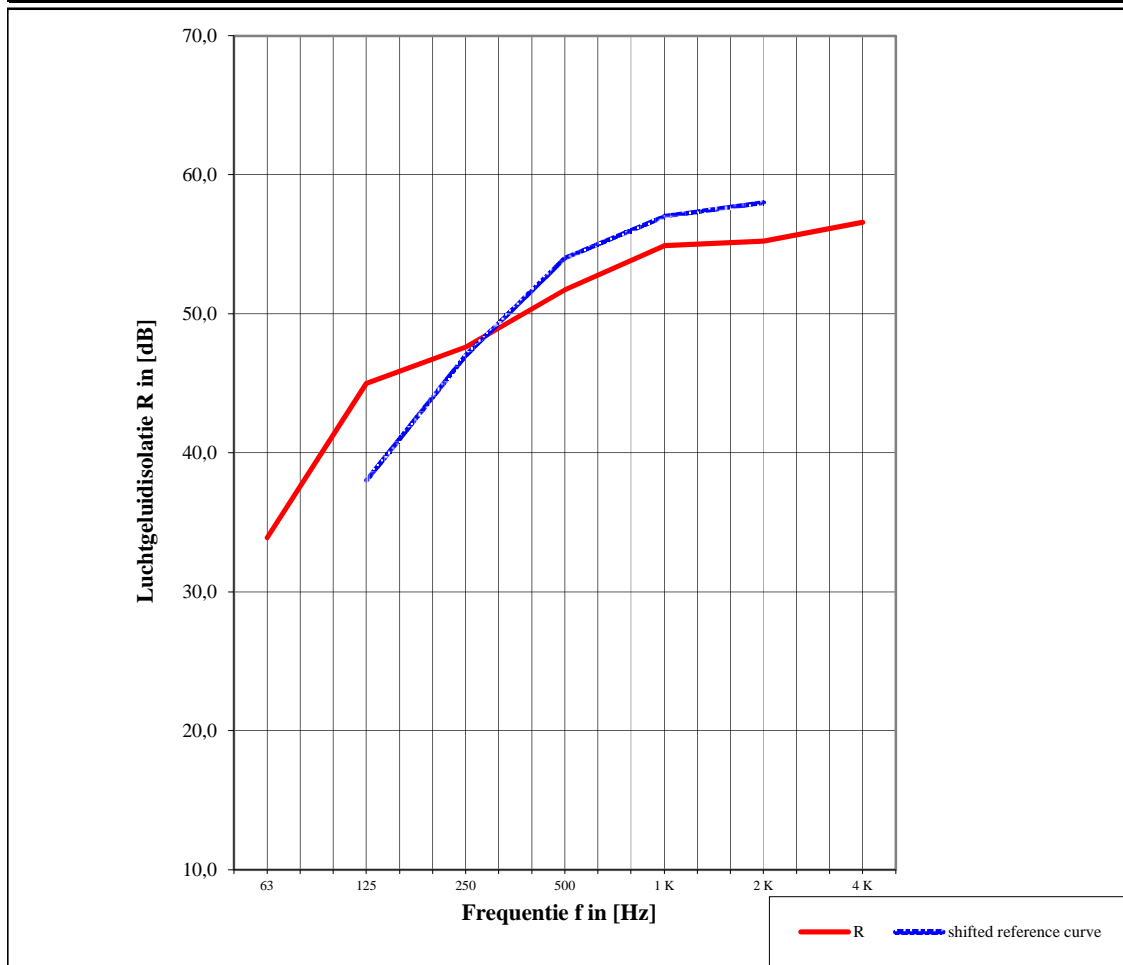


Laboratoriummetingen conform NEN-EN-ISO 140-3, 1995
airborne sound insulation of construction elements

Commissioner:	ALARA
Project reference:	20082140
Test date:	12-5-2009
Test location:	Laboratory Cauberg-Huygen Raadgevende Ingenieurs BV, Zwolle

Product specification	Type deur: ALD-56 H		
Test surface:	2,1 m²		
Volume reception room:	86 m³	Volume transmission room:	211 m³



Frequency	[Hz]	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
R-rating third octaves	[dB]	34,5	32,6	34,9	44,1	45,4	45,6	45,6	47,6	51,5	51,2	51,8	52,2	53,7	55,6	55,7	56,8	56,7	53,2	53,6	58,2	61,5
R-rating octaves	[dB]	33,9			45,0			47,6			51,7			54,9			55,2			56,6		

Calculation results:	R_w 54 [dB]
	C 0 [dB]
	C_{tr} -2 [dB]

Laboratory measurements in conformity with NEN-ISO 140-3, 1995
airborne sound insulation of construction elements

Commissioner:	ALARA
Project reference:	20082140
Test date:	12-5-2009
Test location:	Laboratory Cauberg-Huygen Raadgevende Ingenieurs BV, Zwolle

Product specification	Type deur: ALD-56 H		
Test surface:	2,1	m ²	
Volume reception room:	86	m ³	Volume transmission room: 211 m ³

R _A outdoor noise	52,0	dB(A)
R _A road traffic	52,0	dB(A)
R _A rail traffic	54,3	dB(A)
R _A air traffic	53,1	dB(A)
R _A popmusic	51,0	dB(A)
R _A housemusic	45,1	dB(A)
R _A cinema	47,4	dB(A)

