

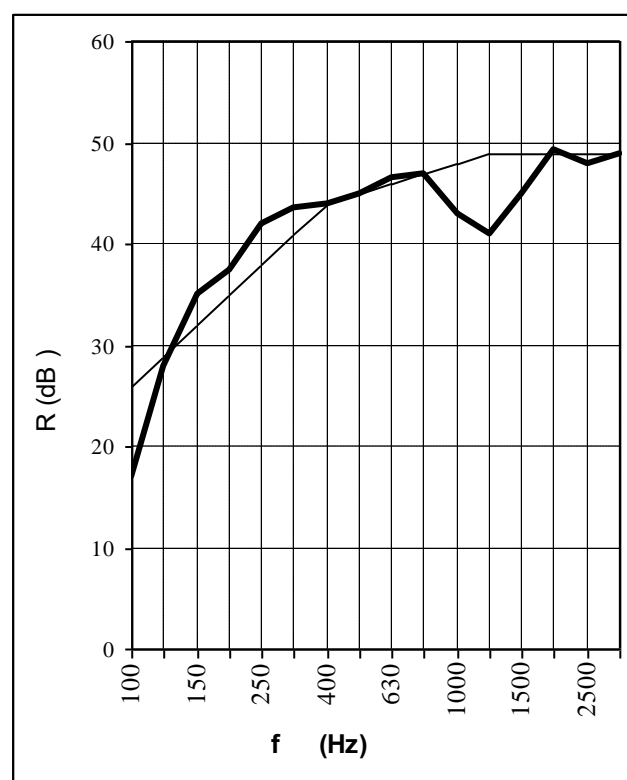
# SOUND REDUCTION INDEX\* according to ISO 140.3

**CLIENT:****ALPHA ACOUSTIKI LTD**Kabouroglou 19  
TEL. 677987511525 ATHENS  
FAX. 6779269**Item Tested:** Sound reduction metallic door

1. Special elastic profile
2. Steel foil
3. Sound reduction foil
4. Fiber glass 2 layers
5. Metal frame

**Element size:** 1,55 m<sup>2</sup>  
**Weight per unit area:** kp/m<sup>2</sup>  
**Total element thickness:** 80 mm  
**Transmission room volume:** 68 m<sup>3</sup>  
**Receive room volume:** 63 m<sup>3</sup>  
**Room state:** Empty  
**Room type:** Laboratory Chamber  
**Test sound:** White Noise  
**Receive filter:** 1/3 octave

Evaluation according to ISO 717-1  
**WEIGHTED SOUND REDUCTION INDEX**  
**R<sub>w</sub> = 45 dB**



f (Hz)	100	125	150	200	250	315	400	500	630	800	1000	1250	1500	2000	2500	3150
R (dB)	17,0	28,0	35,0	37,5	42,0	43,5	44,0	45,0	46,5	47,0	43,0	41,0	45,0	49,4	48,0	49,0

DATE OF TEST:

14/3/1996

CODE:

M-ETA O15

**ACOUSTICAL LABORATORY OF NTUA**

THE DIRECTOR OF LABORATORY

*\* Translation of the original Greek Certificate*