

CALCULATION OF SINGLE-NUMBER RATING ACCORDING TO STANDARD ASTM E 413 (2004)

Frequency [Hz]	TL [dB]
63	
80	42,2
100	41,2
125	46,3
160	44,2
200	47,1
250	45,2
315	44,3
400	41,5
500	38,6
630	45
800	58,6
1000	70,1
1250	72,7
1600	74,2
2000	72,7
2500	75,9
3150	76,5
4000	86,8
5000	86,8
6300	

TEST RESULTS

Manufacturer NUDURA
 Model Wall 6" + 1 layer of gypsun each side
 Date August 18, 2010
 Test method ASTM E90
 Test number /2

STC 47

The single-number rating STC - Sound Transmission Class - is computed according to standard ASTM E413-04. It is given by the value of the shifted reference contour at 500 Hz. Only one-third octaves from 125 to 4000 Hz are taken into account. The reference curve is shifted by 1 dB increment until the sum of the deficiencies is less than or equal to 32 dB; and the maximum deficiency at any one frequency does not exceed 8 dB.

