

SOUND TRANSMISSION CLASS RATINGS FOR CONCRETE BLOCK MASONRY

Concrete Block by Concrete Type

Concrete Type	Concrete Density	Common Construction Name
A	Over 2000 kg/m ³	Normal-weight
B	1800 to 2000 kg/m ³	Medium-weight
C	1700 to 1800 kg/m ³	Medium-weight, or Semi-Light-weight
D	Less than 1700 kg/m ³	Light-weight
N	No limits	

SOUND TRANSMISSION RATINGS FOR CONCRETE BLOCK WALLS

SIZE CODE	CCMPA BLOCK TYPE					
	HOLLOW		75% SOLID		SOLID	
	A or B	Type C or D	Type A or B	Type C or D	Type A or B	Type C or D
10	43	40	45	42	47	45
15	46	43	50	47	52	50
20	50	46	53	51	56	53
25	51	49	56	54	58	56
30	53	50	58	56	58	58

NOTES:

- 1.0 Sound transmission loss through a barrier (wall) varies with frequency and use of sound absorbing materials.
- 2.0 Increased separation and sound absorbing material in the cavity adds to the wall performance.
The sound transmission loss of a cavity wall is frequently about 8 db better than a solid wall of equal weight.

****Note hollow or semi solid units can be considered solid when cores that are not reinforced are filled with grout, sand or vermiculite**