

ACOUSTIC PERFORMANCE SELECTION DATA - IAC NOISE-LOCK WINDOWS

| TYPE | 1/3 OCTAVE BAND CENTER FREQUENCY, HZ | | | | | | | | | | | | | | | | Test Report (year) | Wt, lb/ft ² (kg/m ²) | Min. Frame Depth In. (mm) | Glazing Type | |
|-----------------------------|--------------------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|--------------------|---|---------------------------|--------------|------|
| | STC | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | | | | | 4000 |
| | | SOUND TRANSMISSION LOSS, DB | | | | | | | | | | | | | | | | | | | |
| DOUBLE GLAZED SINGLE GLAZED | 35 | 24 | 25 | 27 | 29 | 28 | 29 | 31 | 32 | 35 | 36 | 36 | 39 | 36 | 37 | 38 | 40 | 543-82-2 (1982) | 5 (25) | 4 (102) | a |
| | 39 | 28 | 30 | 34 | 29 | 34 | 36 | 36 | 36 | 38 | 38 | 37 | 40 | 41 | 46 | 48 | 50 | 549-1-83 (1983) | 8 (39) | 4 (102) | b |
| | 41 | 30 | 29 | 32 | 35 | 35 | 37 | 38 | 38 | 38 | 37 | 41 | 44 | 48 | 50 | 53 | 56 | — | 9 (44) | 4 (102) | c |
| | 47 | 28 | 26 | 34 | 33 | 36 | 46 | 49 | 51 | 53 | 56 | 60 | 63 | 58 | 57 | 61 | 65 | 543-82-1 (1982) | 10 (49) | 4 (102) | d |
| | 53 | 30 | 36 | 37 | 39 | 45 | 50 | 52 | 55 | 57 | 59 | 61 | 62 | 61 | 59 | 59 | 66 | AC-609-2-87 (1987) | 12 (59) | 8 (203) | e |
| | 57 | 40 | 41 | 46 | 47 | 47 | 50 | 53 | 57 | 56 | 60 | 63 | 66 | 67 | 75 | 79 | 81 | VW-587-2-86 (1986) | 18 (88) | 10 (254) | f |
| | 58 | 40 | 39 | 46 | 43 | 50 | 54 | 55 | 58 | 60 | 64 | 66 | 64 | 63 | 62 | 63 | 64 | AC-654-89 (1989) | 27 (132) | 18 (457) | g |
| | 59 | 42 | 45 | 50 | 48 | 49 | 53 | 57 | 58 | 58 | 59 | 63 | 67 | 72 | 79 | 81 | 82 | VW-586-2-85 (1985) | 20 (98) | 10 (254) | h |

Glazing Type and Thickness a) 1/4 in. (6mm) laminated safety glass; b) 1/2 in. (13mm) laminated safety glass; c) 3/4 in. (19mm) laminated safety glass; d) 1/4 in. x 1/4 in. (6 x 6mm) tempered safety glass; e) 1/4 in. x 1/4 in. (6 x 6mm) laminated safety glass; f) 1/2 in. x 1/4 in. (13 x 16mm) laminated safety glass; g) 1-3/16 in. x 1/4 in. (30 x 6mm) bullet resistant glass-laminated safety glass; h) 1/2 in. x 3/8 in. (13 x 109mm) laminated safety glass.