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| **Model** | **Opening Type** | **Glazing** | **Thermal Resistance[[1]](#footnote-1)** | **Wind Zone[[2]](#footnote-2)[[3]](#footnote-3)** | **Air Infiltration[[4]](#footnote-4)** | **Sound Insulation[[5]](#footnote-5)** |
|  |  |  | m2·K/W |  |  |  |
| Viking 14 double glazed window | Outward opening casement | Insulated double glazing unit  24mm; 2k 4-4 PlthONE; 16mm Swisspacer V; 90%Argon  24 mm total glass thickness, double glazed, 4 mm glass, 16 mm spacer bars | 0.83 m2·K/W | Extra High | Exceeds NZS211 | Rw (C;Ctr)=33 (-1; -4) |
| Viking SW14 window | Outward opening single casement window | Insulated triple glazing unit  50mm; 3k 4PlthUN-4-4PlthUn; 18/20mm Swisspacer-U;90%Ar  50 mm total glass thickness, triple glazed, 4 mm glass, 18 and 20 mm spacer bars  50 mm triple glazing with 2 low-E coatings (LowE or LowE1.0) and warm edge spacer (e.g. SGG Swisspacer Ultimate) | 1.39 m2·K/W | Extra | Exceeds NZS211 | Rw(C;Ctr)=34(-1;-5) |
| Viking DK13 tilt and turn window | Inward opening single casement | Insulated double or triple glazing unit  Double  26mm; 2k 4-4 PlthUN; 16mm Swisspacer-V;90%Ar  26 mm total glass thickness, double glazed, 4 mm glass, 16 mm spacer bars  Triple  40mm; 3k 4PlthUN-4-4PlthUN; 2x14mm Swisspacer-U 90%Ar  40 mm total glass thickness, triple glazed, 2 x 4mm glass, 2 x 14 mm spacer bars  (from web site)  78 mm profile system and a glazing unit with two low-E and one regular glass, Argon filled cavities and the total thickness of 40 mm.  <https://www.viking.ee/en/windows/dk13-wooden-window-2-or-3-glazing> | 0.77 m2·K/W  1.06 m2·K/W | Very High | Exceeds NZS211 | Rw(C;Ctr)=33(-1;-4) double glazed  Rw(C;Ctr)=35(-2;-5) Triple glazed |
| Viking DK88 tilt and turn window | Inward opening single casement | Insulated triple glazing unit  50mm; 3k 4PlthUN-4-4PlthUn; 18/20mm Swisspacer-U;90%Ar  50mm total glass thickness, triple glazed, 3x4 mm glass, 18 and 20 mm spacer bars  Viking DK88 windows are equipped with the Argon filled insulated glazing unit with two low-E glasses (Planitherm One) and SGG Swisspacer Ultimate warm edge solution; | 1.27 m2·K/W | Very High | Exceeds NZS211 | Rw(C;Ctr)=35(-2;-5) |
| Viking exterior door | Outward opening |  |  | High | Exceeds NZS211 | Rw(C;Ctr)=33(-1;-4) |
| Viking Sliding door (GU) | Sliding door( lift and slide) | Insulated double or triple glazing unit  Double glazed  26mm; 2k 4-4 PlthUN; 16mm Swisspacer U, 90%Ar  26mm total thickness, double glazed, 2 x 4 mm glass, 16 mm spacer bars  Triple Glazed  40mm; 3k 4PlthUN-4-4PlthUN; 2x14mm Swisspacer-U 90%Ar  40 mm total thickness, triple glazed, 3 x 4 mm glass, 2 x 14mm spacer bars |  | Very High | Exceeds NZS211 | Rw(C;Ctr)=33(-1;-4) double glazed  Rw(C;Ctr)=34(-1;-5) Triple glazed |
| Viking 21 Double glazed window | Outward opening single casement window | 26mm; 2-glazing; warm edge spacer (SGG Swisspacer U)90%Ar  26mm total thickness, double glazing | .82 - .72 m2·K/W | Very High | Exceeds NZS211 | Rw(C;Ctr)=33(-1;-4) |
| Viking 21 Triple glazed window | Outward opening single casement window | 48mm; 3-glazing; warm edge spacer (SGG Swisspacer U) 90%Ar  48mm total thickness, triple glazing | 1.37 - 1.19 m2·K/W | Very High | Exceeds NZS211 | Rw(C;Ctr)= 33(-2;-7) |
| Viking 12 Double glazed window | Outward opening single casement window | 24mm; 2k 4-4 PlthONE; 16mm Swisspacer U; 90%Ar  24 mm, double glazed, 2 x 4 mm glass, 16 mm spacer | 1.2 m2·K/W | Very High | Exceeds NZS211 | Rw (C;Ctr)=33 (-1; -4) |

1. Measured using EN 14351-1:2006+A1:2010 Windows and doors - Product standard, performance characteristics (and its referenced methods of test) [↑](#footnote-ref-1)
2. As defined in NZ3604:2011 Light Framed Timber Buildings [↑](#footnote-ref-2)
3. EN 14351-1:2006+A1:2010 Windows and doors – Two of the referenced tests in EN 14351 Water Tightness (EN12208) and Resistance to Wind Load (EN12210 and EN12211) both use wind speeds. The wind zones allocated to each model are the lowest of the two rated wind zones. All windows listed above exceed the requirements for Extra High on the Resistance to Wind Load criteria [↑](#footnote-ref-3)
4. All windows are Class 4 as measured by EN 14351-1:2006+A1:2010 (Class 4 is 100Pa .75m3/(h.m) Maximum test pressure is 600 Pa [↑](#footnote-ref-4)
5. Measured using EN 14351-1:2006+A1:2010 Windows and doors - Product standard, performance characteristics (and its referenced methods of test) [↑](#footnote-ref-5)