



Thermal Performance Data

| Window Style | U-Factor ¹ | SHGC ² | UV Block ³ | VLT ⁴ |
|--|-----------------------|-------------------|-----------------------|------------------|
| Sliding Patio Door - Standard [Standard Double-Pane Clear] | 0.46 | 0.61 | 42% | 82% |
| Sliding Patio Door - Standard INFINIT@PLUS with Argon <small>HIGH PERFORMANCE GLAZING SYSTEM</small> | 0.28 | 0.21 | 95% | 65% |
| Sliding Patio Door - Standard QuadraTherm with Argon | 0.24 | 0.21 | 95% | 63% |
| Sliding Patio Door - French-style [Standard Double Pane Clear] | 0.44 | 0.53 | 42% | 82% |
| Sliding Patio Door - French-style INFINIT@PLUS with Argon <small>HIGH PERFORMANCE GLAZING SYSTEM</small> | 0.29 | 0.19 | 95% | 65% |
| Sliding Patio Door - French-style QuadraTherm with Argon | 0.26 | 0.18 | 95% | 63% |
| Out-swing French Door [Standard Double-Pane Clear] | 0.45 | 0.48 | 42% | 82% |
| Out-swing French Door INFINIT@PLUS with Argon <small>HIGH PERFORMANCE GLAZING SYSTEM</small> | 0.32 | 0.17 | 95% | 65% |
| Out-swing French Door QuadraTherm with Argon | 0.28 | 0.16 | 95% | 63% |
| In-swing French Door [Standard Double-Pane Clear] | 0.45 | 0.48 | 42% | 82% |
| In-swing French Door INFINIT@PLUS with Argon <small>HIGH PERFORMANCE GLAZING SYSTEM</small> | 0.31 | 0.17 | 95% | 65% |
| In-swing French Door QuadraTherm with Argon | 0.28 | 0.16 | 95% | 63% |

1 U-factor represents the amount of heat transfer as measured in accordance with NFRC 100-2001, calculation uses total window unit, and assumes 3/4" glazing with a 1/2" airspace. Lower is better.
 2 Solar heat gain coefficient (SHGC) measures the amount of solar radiation entering the building. As measured per NFRC 200-2001 with the Window 4.1 and Frame 4.1 modeling programs. Lower is better.
 3 Ultraviolet (UV) light block calculations performed using Lawrence Berkeley Laboratories Window 4.1 program. Percentages indicate amount of UV transmittance blocked from the interior using a 3/4" glazing unit.
 4 Visible light transmittance indicates the amount of outside light reaching the interior as calculated using center of glass. These percentages represent the viewing area and do not include the vinyl portion of the door.

STC Ratings - Sound Transmission Class

| Sound Ratings | 1/8 over 1/8 | | SOUND PACKAGE 1/8 over 3/16 | | 1/8 over 7/32 Lami | |
|--------------------------|--------------|------|--------------------------------|------|--------------------|------|
| | STC | OITC | STC | OITC | STC | OITC |
| Patio Door - Narrow Sash | 29 | 25 | 33 | 27 | 34 | 28 |
| Patio Door - Wide Sash | 29 | 25 | 32 | 27 | 34 | 29 |

** Sound Package is strongly recommended for the best value and listed on the Glazing Options page.



Structural Performance Data

| Malibu 2 1/2" & 4 1/2" Rail Doors | Min Size | Max Size | Rating ⁽¹⁾ |
|-----------------------------------|----------|-------------------------|-----------------------|
| XO, OX | 48 x 72 | 96 x 96 | R20 |
| XO, OX | 48 x 72 | 120 x 96 ⁽²⁾ | R20 |
| XOO, OOX | 72 x 72 | 144 x 96 | R20 |
| OXO | 72 x 72 | 144 x 96 | R25 |
| OXXO | 72 x 72 | 144 x 96 | R20 |
| | | 192 x 96 ⁽²⁾ | R15 |
| Side Lite | 14 x 72 | 48 x 96 | R20 |
| | | 60 x 82 | |
| SL/SL | 28 x 72 | 96 x 96 | R20 |
| SL/SL/SL | 42 x 72 | 144 x 96 | R20 |

(1) Rating based on Max Size unit

(2) Only available in 2 1/2" rails

| Malibu French Swinging Doors | Min Size | Max Size | Rating ⁽¹⁾ Out-swing | Rating ⁽¹⁾ In-swing |
|------------------------------|-----------|----------|------------------------------------|-----------------------------------|
| X | 24 x 72 | 38 x 96 | R20 | R15 |
| XX | 36 x 72 | 74 x 96 | R20 | R15 |
| XO | 36 x 72 | 74 x 96 | R20 | R15 |
| OX | 36 x 72 | 74 x 96 | R20 | R15 |
| OXO | 54 x 72 | 120 x 96 | R20 | R15 |
| XXO | 54 x 72 | 120 x 96 | R20 | R15 |
| OXX | 54 x 72 | 120 x 96 | R20 | R15 |
| OOX | 54 x 72 | 120 x 96 | R20 | R15 |
| XOO | 54 x 72 | 120 x 96 | R20 | R15 |
| OXXO | 72 x 72 | 120 x 96 | R20 | R15 |
| SL | 10.5 x 72 | 38 x 96 | R20 | R15 |
| SL/SL | 36 x 72 | 74 x 96 | R20 | R15 |

(1) Rating based on Max Size unit

FRENCH SWINGING DOOR NOTES:

- Fixed Side Lites less than 18" requires smaller 2" sash with a filler-sash (top & bottom) creating an equal sight line horizontally. Minimum width = 10.5", Maximum Width = 18", Maximum height = 96"
- Fixed Side Lites greater than 18" requires 4 1/2" standard sash creating equal sight lines both horizontally and vertically. Minimum width = 18 1/4", Maximum Width = 36", Maximum height = 96"
- Operable Side Lites are In-Swing only and requires smaller 2" sash with a filler-sash (top & bottom) creating an equal sight line horizontally. Minimum width = 10.5", Maximum width = 18", Maximum height = 82"
- Maximum panel size for all configurations is 36"