



















Calculation based on ISO 15099

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|--|--|--|--------------|---------|--|--------------|-------------|------------|
| Product name: CPVC_Inswing Door | | Center-of-glass properties | | | | | | |
| ASHRAE/IECC /DOE North American Climate Zone | North, East, West - facing South-facing |  | | | Guardian 1.0" OA ClrGuard-Arg95-CG8070#3-Arg95-CG8070#5 No Grids | | | |
| Climate specific recommendations: | | Whole-window installed U-value | | | Ucog-Value | | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | | |
| 8 | | 1.49 | 0.26 | 0.581 | 0.995 | 0.175 | | |
| 7 | | 1.49 | 0.26 | 0.581 | 1.005 | 0.177 | | |
| 6 | | 1.50 | 0.26 | 0.581 | 1.017 | 0.179 | | |
| 5 | | 1.50 | 0.26 | 0.581 | 1.020 | 0.180 | | |
| 4 | | 1.51 | 0.27 | 0.581 | 1.026 | 0.181 | | |
| Marine North | | 1.51 | 0.27 | 0.581 | 1.030 | 0.181 | | |
| Marine South | | 1.51 | 0.27 | 0.581 | 1.037 | 0.183 | | |
| 3 | | 1.51 | 0.27 | 0.581 | 1.033 | 0.182 | | |
| 2 West | | 1.52 | 0.27 | 0.581 | 1.040 | 0.183 | | |
| 2 East | | 1.52 | 0.27 | 0.581 | 1.040 | 0.183 | | |
| CPVC_Inswing Door Premium Plus ZF-S | | FRAME | | | | Psi-spacer | | Psi-opaque |
| | | Frame height | | U-frame | | Ψ | | W/mK |
| mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | | | |
| Head | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 | 0.300 | |
| Sill | 147 | 5.79 | 1.78 | 0.31 | 0.078 | 0.045 | BTU/hr.ft.F | |
| left jamb | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | 0.173 | |
| right jamb | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | Grade D | |


















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|---|---|--|--------------|--------------------------------|-------|--------------|-------|-------------|
| Product name: CPVC_Inswing Door | | Center-of-glass properties | | | | | | |
| ASHRAE/IECC /DOE North American Climate Zone | North, East, West - facing |  | | SDL/no Internal grids < 25.4mm | | | | |
| Climate specific recommendations: | | Whole-window installed U-value | | <u>Ucog-Value</u> | | | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | | |
| 8 |  | " | " | " | 0.995 | 0.175 | | |
| 7 |  | " | " | " | 1.005 | 0.177 | | |
| 6 |  | " | " | " | 1.017 | 0.179 | | |
| 5 |  | " | " | " | 1.020 | 0.180 | | |
| 4 |   | " | " | " | 1.026 | 0.181 | | |
| Marine North |   | " | " | " | 1.030 | 0.181 | | |
| Marine South |   | " | " | " | 1.037 | 0.183 | | |
| 3 |   | " | " | " | 1.033 | 0.182 | | |
| 2 West |   | " | " | " | 1.040 | 0.183 | | |
| 2 East |   | " | " | " | 1.040 | 0.183 | | |
| CPVC_Inswing Door Premium Plus ZF-S | | FRAME | | | | Psi-spacer | | Psi-opaque |
| | | Frame height | | U-frame | | Ψ | | W/mK |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | | |
| | Head | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 | 0.300 |
| | Sill | 147 | 5.79 | 1.78 | 0.31 | 0.078 | 0.045 | BTU/hr.ft.F |
| | left jamb | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | 0.173 |
| | right jamb | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | Grade D |


















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| Product name: CPVC_Inswing Door | | Center-of-glass properties | | | | | | |
| ASHRAE/IECC /DOE North American Climate Zone | North, East, West - facing South-facing |  | | grids/SDL < 25.4mm | | | | |
| Climate specific recommendations: | | | | Whole-window installed U-value | Ucog-Value | | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | | |
| 8 |  | " | " | " | 0.995 | 0.175 | | |
| 7 |  | " | " | " | 1.005 | 0.177 | | |
| 6 |  | " | " | " | 1.017 | 0.179 | | |
| 5 |  | " | " | " | 1.020 | 0.180 | | |
| 4 |   | " | " | " | 1.026 | 0.181 | | |
| Marine North |   | " | " | " | 1.030 | 0.181 | | |
| Marine South |   | " | " | " | 1.037 | 0.183 | | |
| 3 |   | " | " | " | 1.033 | 0.182 | | |
| 2 West |   | " | " | " | 1.040 | 0.183 | | |
| 2 East |   | " | " | " | 1.040 | 0.183 | | |
| CPVC_Inswing Door Premium Plus ZF-S | | FRAME | | Psi-spacer | | Psi-opaque | | |
| | | Frame height | | U-frame | | Psi | W/mK | |
| | | mm | in | W/m2K | BTU/hr.ft2.F | | | BTU/hr.ft.F |
| Head | | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 | 0.300 |
| Sill | | 147 | 5.79 | 1.78 | 0.31 | 0.078 | 0.045 | BTU/hr.ft.F |
| left jamb | | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | 0.173 |
| right jamb | | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | Grade D |


















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| ASHRAE/IECC /DOE North American Climate Zone | North, East, West - facing South-facing |  | | grids/SDL < 25.4mm | | | | |
| Climate specific recommendations: | | Whole-window installed U-value | | Ucog-Value | | | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | | |
| 8 |  | " | " | " | 0.995 | 0.175 | | |
| 7 |  | " | " | " | 1.005 | 0.177 | | |
| 6 |  | " | " | " | 1.017 | 0.179 | | |
| 5 |  | " | " | " | 1.020 | 0.180 | | |
| 4 |   | " | " | " | 1.026 | 0.181 | | |
| Marine North |   | " | " | " | 1.030 | 0.181 | | |
| Marine South |   | " | " | " | 1.037 | 0.183 | | |
| 3 |   | " | " | " | 1.033 | 0.182 | | |
| 2 West |   | " | " | " | 1.040 | 0.183 | | |
| 2 East |   | " | " | " | 1.040 | 0.183 | | |
| CPVC_Inswing Door Premium Plus ZF-S | | FRAME | | Psi-spacer | | Psi-opaque | | |
| | | Frame height | | U-frame | | Ψ | | |
| | | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | |
| Head | | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 | 0.300 |
| Sill | | 147 | 5.79 | 1.78 | 0.31 | 0.078 | 0.045 | BTU/hr.ft.F |
| left jamb | | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | 0.173 |
| right jamb | | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 | Grade D |


















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|--|---|--|--------------|---------------------------------|--------------|--------------|-------|
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| ASHRAE/IECC /DOE North American Climate Zone | North, East, West - facing South-facing |  | | SDL/no Internal grids >= 25.4mm | | | |
| Climate specific recommendations: | | Whole-window installed U-value | | Ucog-Value | | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | |
| 8 |  | " | " | " | 0.995 | 0.175 | |
| 7 |  | " | " | " | 1.005 | 0.177 | |
| 6 |  | " | " | " | 1.017 | 0.179 | |
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| 4 |   | " | " | " | 1.026 | 0.181 | |
| Marine North |   | " | " | " | 1.030 | 0.181 | |
| Marine South |   | " | " | " | 1.037 | 0.183 | |
| 3 |   | " | " | " | 1.033 | 0.182 | |
| 2 West |   | " | " | " | 1.040 | 0.183 | |
| 2 East |   | " | " | " | 1.040 | 0.183 | |
| CPVC_Inswing Door Premium Plus ZF-S | | FRAME | | Psi-spacer | | Psi-opaque | |
| | | Frame height | | U-frame | | Ψ | |
| | | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | |
| Head | | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 |
| Sill | | 147 | 5.79 | 1.78 | 0.31 | 0.078 | 0.045 |
| left jamb | | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 |
| right jamb | | 111 | 4.35 | 1.62 | 0.29 | 0.082 | 0.047 |


















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| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | |
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| 6 |  | " | " | " | 1.017 | 0.179 | |
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| Head | | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 |
| Sill | | 147 | 5.79 | 1.78 | 0.31 | 0.078 | 0.045 |
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| ASHRAE/IECC /DOE North American Climate Zone | North, East, South- facing | West - facing |  grids/SDL >= 25.4mm | | | | | |
| Climate specific recommendations: | | Whole-window installed U-value | | Ucog-Value | | | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | | |
| 8 |  | " | " | " | 0.995 | 0.175 | | |
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| | | Frame height | | U-frame | | Ψ | | W/mK |
| | | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | |
| Head | | 111 | 4.35 | 1.60 | 0.28 | 0.080 | 0.046 | 0.300 |
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