



Calculation based on ISO 15099

| | | | | | | | | |
|---|--------------|-------------------------------------|--|----------------------------|------------|--|------------|-------------|
| Product name: Kohltech CPVC Outswing Transom | | | | Center-of-glass properties | | | | |
| ASHRAE/IECC /DOE North American Climate Zone | South-facing | North, East, West - facing |  | | | Kohltech 3mm7036 surfaces 2 & 5, Arg95, 1-3/8"OA 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 | | 0.86 | 0.15 | 0.329 | 0.693 | 0.122 | | |
| 7 | | 0.85 | 0.15 | 0.329 | 0.682 | 0.120 | | |
| 6 | | 0.84 | 0.15 | 0.329 | 0.676 | 0.119 | | |
| 5 | | 0.84 | 0.15 | 0.329 | 0.676 | 0.119 | | |
| 4 | | 0.84 | 0.15 | 0.329 | 0.676 | 0.119 | | |
| Marine North | | 0.85 | 0.15 | 0.329 | 0.677 | 0.119 | | |
| Marine South | ✓ | 0.85 | 0.15 | 0.329 | 0.680 | 0.120 | | |
| 3 | ✓ | 0.85 | 0.15 | 0.329 | 0.678 | 0.119 | | |
| 2 West | | 0.85 | 0.15 | 0.329 | 0.686 | 0.121 | | |
| 2 East | | 0.85 | 0.15 | 0.329 | 0.686 | 0.121 | | |
| Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced | 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 | 34 | 1.36 | 1.03 | 0.18 | 0.019 | 0.011 | 0.056 |
| | Sill | 34 | 1.36 | 1.03 | 0.18 | 0.018 | 0.011 | BTU/hr.ft.F |
| left jamb | 34 | 1.36 | 1.10 | 0.19 | 0.018 | 0.010 | 0.032 | |
| right jamb | 34 | 1.36 | 1.10 | 0.19 | 0.018 | 0.010 | Grade A+ | |


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| Climate specific recommendations: | | | | | Whole-window installed U-value | Ucog-Value | | |
| | | | W/m2K | BTU/hr.ft2.F | SHGC | BTU/hr.ft2.F | | |
| | | | | | W/m2K | | | |
| 8 | | | 0.86 | 0.15 | 0.291 | 0.122 | | |
| 7 | | | 0.85 | 0.15 | 0.291 | 0.120 | | |
| 6 | | | 0.84 | 0.15 | 0.291 | 0.119 | | |
| 5 | | | 0.84 | 0.15 | 0.291 | 0.119 | | |
| 4 | | ✓ | 0.84 | 0.15 | 0.291 | 0.119 | | |
| Marine North | | ✓ | 0.85 | 0.15 | 0.291 | 0.119 | | |
| Marine South | ✓ | ✓ | 0.85 | 0.15 | 0.291 | 0.120 | | |
| 3 | ✓ | ✓ | 0.85 | 0.15 | 0.291 | 0.119 | | |
| 2 West | ✓ | ✓ | 0.85 | 0.15 | 0.291 | 0.121 | | |
| 2 East | ✓ | ✓ | 0.85 | 0.15 | 0.291 | 0.121 | | |
| Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced | | | FRAME | | Psi-spacer | | Psi-opaque | |
| | | | Frame height | | U-frame | | □ | |
| mm in | | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | | | |
| Head | | 34 | 1.36 | 1.03 | 0.18 | 0.019 | 0.011 | 0.056 |
| Sill | | 34 | 1.36 | 1.03 | 0.18 | 0.018 | 0.011 | BTU/hr.ft.F |
| left jamb | | 34 | 1.36 | 1.10 | 0.19 | 0.018 | 0.010 | 0.032 |
| right jamb | | 34 | 1.36 | 1.10 | 0.19 | 0.018 | 0.010 | Grade A+ |


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| Climate specific recommendations: | | | | | | Whole-window installed U-value | | Ucog-Value |
| | | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F | |
| 8 | | | 0.92 | 0.16 | 0.291 | 0.693 | 0.122 | |
| 7 | | | 0.91 | 0.16 | 0.291 | 0.682 | 0.120 | |
| 6 | | | 0.90 | 0.16 | 0.291 | 0.676 | 0.119 | |
| 5 | | | 0.90 | 0.16 | 0.291 | 0.676 | 0.119 | |
| 4 | | | 0.90 | 0.16 | 0.291 | 0.676 | 0.119 | |
| Marine North | | ✓ | 0.90 | 0.16 | 0.291 | 0.677 | 0.119 | |
| Marine South | ✓ | ✓ | 0.90 | 0.16 | 0.291 | 0.680 | 0.120 | |
| 3 | ✓ | ✓ | 0.90 | 0.16 | 0.291 | 0.678 | 0.119 | |
| 2 West | ✓ | ✓ | 0.91 | 0.16 | 0.291 | 0.686 | 0.121 | |
| 2 East | ✓ | ✓ | 0.91 | 0.16 | 0.291 | 0.686 | 0.121 | |
| Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced | | | FRAME | | Psi-spacer | | Psi-opaque | |
| | | | Frame height | | U-frame | | W/mK | BTU/hr.ft.F |
| mm | | in | | W/m2K | BTU/hr.ft2.F | | | |
| Head | | 34 | 1.36 | 1.03 | 0.18 | 0.019 | 0.011 | 0.056 |
| Sill | | 34 | 1.36 | 1.03 | 0.18 | 0.018 | 0.011 | BTU/hr.ft.F |
| left jamb | | 34 | 1.36 | 1.10 | 0.19 | 0.018 | 0.010 | 0.032 |
| right jamb | | 34 | 1.36 | 1.10 | 0.19 | 0.018 | 0.010 | Grade A+ |


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| 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 | | | 0.86 | 0.15 | 0.255 | 0.693 | 0.122 | |
| 7 | | | 0.85 | 0.15 | 0.255 | 0.682 | 0.120 | |
| 6 | | | 0.84 | 0.15 | 0.255 | 0.676 | 0.119 | |
| 5 | | | 0.84 | 0.15 | 0.255 | 0.676 | 0.119 | |
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| 2 West | ✓ | ✓ | 0.85 | 0.15 | 0.255 | 0.686 | 0.121 | |
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| Kohltech CPVC Outswing Transom Super Spacer Premium Enhanced | | | FRAME | | Psi-spacer | | Psi-opaque | |
| | | | Frame height | | U-frame | | □ | W/mK |
| mm | | in | | W/m2K | BTU/hr.ft2.F | W/mK | | |
| Head | | 34 | 1.36 | 1.03 | 0.18 | 0.019 | 0.011 | 0.056 |
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| 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 | | | |
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| 3 | ✓ | ✓ | 0.90 | 0.16 | 0.255 | 0.678 | 0.119 | | | |
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| | | | Frame height | | U-frame | | W/mK | BTU/hr.ft.F | W/mK | |
| | | | mm | in | W/m2K | BTU/hr.ft2.F | | | | |
| | | | Head | 34 | 1.36 | 1.03 | 0.18 | 0.019 | 0.011 | 0.056 |
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