



Calculation based on ISO 15099

|  |              |                                     |  |                            |  |                   |             |            |
|--|--------------|-------------------------------------|--|----------------------------|--|-------------------|-------------|------------|
| Product name: <b>Kohltech CPVC Outswing Door</b>             |              |                                     |  | Center-of-glass properties |  |                   |             |            |
| ASHRAE/IECC<br>/DOE North<br>American<br>Climate Zone        | South-facing | North,<br>East,<br>West -<br>facing |  |                            | Kohltech 3mm8071 surfaces 3 & 5,<br>Arg95, 1"OA No Grids |                   |             |            |
| Climate specific recommendations:                            |              |                                     |  |                            | Whole-window installed U-value                           | <u>Ucog-Value</u> |             |            |
|  |              |                                     | W/m2K  | BTU/hr.ft2.F               | SHGC   | BTU/hr.ft2.F      |             |            |
|  |              |                                     |  |                            |  | W/m2K             |             |            |
| 8  |              |                                     | 1.40   | 0.25                       | 0.611  | 1.005             | 0.177       |            |
| 7  |              |                                     | 1.41   | 0.25                       | 0.611  | 1.015             | 0.179       |            |
| 6  |              |                                     | 1.42   | 0.25                       | 0.611  | 1.028             | 0.181       |            |
| 5  |              |                                     | 1.42   | 0.25                       | 0.611  | 1.031             | 0.182       |            |
| 4  |              |                                     | 1.42   | 0.25                       | 0.611  | 1.037             | 0.183       |            |
| Marine North   |              |                                     | 1.43   | 0.25                       | 0.611  | 1.041             | 0.183       |            |
| Marine South   |              |                                     | 1.43   | 0.25                       | 0.611  | 1.048             | 0.185       |            |
| 3  |              |                                     | 1.43   | 0.25                       | 0.611  | 1.044             | 0.184       |            |
| 2 West   |              |                                     | 1.43   | 0.25                       | 0.611  | 1.052             | 0.185       |            |
| 2 East   |              |                                     | 1.43   | 0.25                       | 0.611  | 1.052             | 0.185       |            |
| Kohltech CPVC Outswing Door<br>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   | 111          | 4.38                                | 1.49   | 0.26                       | 0.020  | 0.011             | 0.252       |            |
| Sill   | 116          | 4.56                                | 2.72   | 0.48                       | 0.022  | 0.013             | BTU/hr.ft.F |            |
| left jamb  | 111          | 4.38                                | 1.63   | 0.29                       | 0.021  | 0.012             | 0.146       |            |
| right jamb   | 111          | 4.38                                | 1.63   | 0.29                       | 0.021  | 0.012             | Grade D     |            |


Valid through April 2024

Calculation based on ISO 15099

|   |              |                                      |   |                                   |                   |   |                   |
|---|--------------|--------------------------------------|---|-----------------------------------|-------------------|---|-------------------|
| <b>Product name: Kohltech CPVC Outswing Door</b>      |              |                                      |   | <b>Center-of-glass properties</b> |                   |   |                   |
| ASHRAE/IECC<br>/DOE North<br>American<br>Climate Zone | South-facing | North,<br>East,<br>West -<br>facing  |  |                                   |                   | Kohltech 3mm8071 surfaces 3 & 5,<br>Arg95, 1"OA Internal grids < 25.4mm<br>maintain 3mm clearance |                   |
| <b>Climate specific recommendations:</b>              |              |                                      |   | Whole-window installed U-value    |                   | <u><b>Ucog-Value</b></u>  |                   |
|   |              |                                      |   | W/m2K                             | BTU/hr.ft2.F      | <u><b>SHGC</b></u>  | W/m2K             |
| 8   |              |                                      | 1.40  | 0.25                              | 0.530             | 1.005 0.177   |                   |
| 7   |              |                                      | 1.41  | 0.25                              | 0.530             | 1.015 0.179   |                   |
| 6   |              |                                      | 1.42  | 0.25                              | 0.530             | 1.028 0.181   |                   |
| 5   |              |                                      | 1.42  | 0.25                              | 0.530             | 1.031 0.182   |                   |
| 4   |              |                                      | 1.42  | 0.25                              | 0.530             | 1.037 0.183   |                   |
| Marine North  |              |                                      | 1.43  | 0.25                              | 0.530             | 1.041 0.183   |                   |
| Marine South  |              |                                      | 1.43  | 0.25                              | 0.530             | 1.048 0.185   |                   |
| 3   |              |                                      | 1.43  | 0.25                              | 0.530             | 1.044 0.184   |                   |
| 2 West  |              |                                      | 1.43  | 0.25                              | 0.530             | 1.052 0.185   |                   |
| 2 East  |              |                                      | 1.43  | 0.25                              | 0.530             | 1.052 0.185   |                   |
| <b>Kohltech CPVC Outswing Door</b>                    |              | <b>FRAME</b>                         |   |                                   | <b>Psi-spacer</b> |   | <b>Psi-opaque</b> |
|   |              | <b>Super Spacer Premium Enhanced</b> |   | <b>U-frame</b>                    |                   | □   |                   |
|   | Frame height |                                      | W/m2K   | BTU/hr.ft2.F                      | W/mK              | BTU/hr.ft.F   |                   |
|   | mm           | in                                   |   |                                   |                   |   |                   |
| Head  | 111          | 4.38                                 | 1.49  | 0.26                              | 0.020             | 0.011   | 0.252             |
| Sill  | 116          | 4.56                                 | 2.72  | 0.48                              | 0.022             | 0.013   | BTU/hr.ft.F       |
| left jamb   | 111          | 4.38                                 | 1.63  | 0.29                              | 0.021             | 0.012   | 0.146             |
| right jamb  | 111          | 4.38                                 | 1.63  | 0.29                              | 0.021             | 0.012   | Grade D           |


Valid through April 2024

Calculation based on ISO 15099

|  |  |  |              |   |             |              |             |
|--|--|--|--------------|---|-------------|--------------|-------------|
| Product name: <b>Kohltech CPVC Outswing Door</b>             |  | Center-of-glass properties   |              |   |             |              |             |
| ASHRAE/IECC<br>/DOE North<br>American<br>Climate Zone        | North,<br>East,<br>West -<br>South-facing facing |  |              | Kohltech 3mm8071 surfaces 3 & 5,<br>Arg95, 1"OA 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  |  | 1.46   | 0.26         | 0.530   | 1.005       | 0.177        |             |
| 7  |  | 1.46   | 0.26         | 0.530   | 1.015       | 0.179        |             |
| 6  |  | 1.47   | 0.26         | 0.530   | 1.028       | 0.181        |             |
| 5  |  | 1.47   | 0.26         | 0.530   | 1.031       | 0.182        |             |
| 4  |  | 1.48   | 0.26         | 0.530   | 1.037       | 0.183        |             |
| Marine North   |  | 1.48   | 0.26         | 0.530   | 1.041       | 0.183        |             |
| Marine South   |  | 1.49   | 0.26         | 0.530   | 1.048       | 0.185        |             |
| 3  |  | 1.48   | 0.26         | 0.530   | 1.044       | 0.184        |             |
| 2 West   |  | 1.49   | 0.26         | 0.530   | 1.052       | 0.185        |             |
| 2 East   |  | 1.49   | 0.26         | 0.530   | 1.052       | 0.185        |             |
| Kohltech CPVC Outswing Door<br>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  | BTU/hr.ft.F |              |             |
| Head   | 111  | 4.38   | 1.49         | 0.26  | 0.020       | 0.011        | 0.252       |
| Sill   | 116  | 4.56   | 2.72         | 0.48  | 0.022       | 0.013        | BTU/hr.ft.F |
| left jamb  | 111  | 4.38   | 1.63         | 0.29  | 0.021       | 0.012        | 0.146       |
| right jamb   | 111  | 4.38   | 1.63         | 0.29  | 0.021       | 0.012        | Grade D     |


Valid through April 2024

Calculation based on ISO 15099

|  |  |  |              |  |             |              |             |
|--|--|--|--------------|--|-------------|--------------|-------------|
| Product name: <b>Kohltech CPVC Outswing Door</b>             |  | Center-of-glass properties   |              |  |             |              |             |
| ASHRAE/IECC<br>/DOE North<br>American<br>Climate Zone        | North,<br>East,<br>West -<br>South-facing facing |  |              | Kohltech 3mm8071 surfaces 3 & 5,<br>Arg95, 1"OA Internal grids >= 25.4mm<br>maintain 3mm clearance |             |              |             |
| 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  |  | 1.40   | 0.25         | 0.456  | 1.005 0.177 |              |             |
| 7  |  | 1.41   | 0.25         | 0.456  | 1.015 0.179 |              |             |
| 6  |  | 1.42   | 0.25         | 0.456  | 1.028 0.181 |              |             |
| 5  |  | 1.42   | 0.25         | 0.456  | 1.031 0.182 |              |             |
| 4  |  | 1.42   | 0.25         | 0.456  | 1.037 0.183 |              |             |
| Marine North   |  | 1.43   | 0.25         | 0.456  | 1.041 0.183 |              |             |
| Marine South   |  | 1.43   | 0.25         | 0.456  | 1.048 0.185 |              |             |
| 3  |  | 1.43   | 0.25         | 0.456  | 1.044 0.184 |              |             |
| 2 West   |  | 1.43   | 0.25         | 0.456  | 1.052 0.185 |              |             |
| 2 East   |  | 1.43   | 0.25         | 0.456  | 1.052 0.185 |              |             |
| Kohltech CPVC Outswing Door<br>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   | BTU/hr.ft.F |              |             |
| Head   | 111  | 4.38   | 1.49         | 0.26   | 0.020       | 0.011        | 0.252       |
| Sill   | 116  | 4.56   | 2.72         | 0.48   | 0.022       | 0.013        | BTU/hr.ft.F |
| left jamb  | 111  | 4.38   | 1.63         | 0.29   | 0.021       | 0.012        | 0.146       |
| right jamb   | 111  | 4.38   | 1.63         | 0.29   | 0.021       | 0.012        | Grade D     |

Valid through April 2024

Calculation based on ISO 15099

|  |              |                                     |   |                            |  |              |                   |             |       |             |
|--|--------------|-------------------------------------|---|----------------------------|--|--------------|-------------------|-------------|-------|-------------|
| Product name: <b>Kohltech CPVC Outswing Door</b>             |              |                                     |   | Center-of-glass properties |  |              |                   |             |       |             |
| ASHRAE/IECC<br>/DOE North<br>American<br>Climate Zone        | South-facing | North,<br>East,<br>West -<br>facing |  |                            | Kohltech 3mm8071 surfaces 3 & 5,<br>Arg95, 1"OA 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  |              |                                     | 1.46  | 0.26                       | 0.456  | 1.005        | 0.177             |             |       |             |
| 7  |              |                                     | 1.46  | 0.26                       | 0.456  | 1.015        | 0.179             |             |       |             |
| 6  |              |                                     | 1.47  | 0.26                       | 0.456  | 1.028        | 0.181             |             |       |             |
| 5  |              |                                     | 1.47  | 0.26                       | 0.456  | 1.031        | 0.182             |             |       |             |
| 4  |              |                                     | 1.48  | 0.26                       | 0.456  | 1.037        | 0.183             |             |       |             |
| Marine North   |              |                                     | 1.48  | 0.26                       | 0.456  | 1.041        | 0.183             |             |       |             |
| Marine South   |              |                                     | 1.49  | 0.26                       | 0.456  | 1.048        | 0.185             |             |       |             |
| 3  |              |                                     | 1.48  | 0.26                       | 0.456  | 1.044        | 0.184             |             |       |             |
| 2 West   |              |                                     | 1.49  | 0.26                       | 0.456  | 1.052        | 0.185             |             |       |             |
| 2 East   |              |                                     | 1.49  | 0.26                       | 0.456  | 1.052        | 0.185             |             |       |             |
| Kohltech CPVC Outswing Door<br>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              | BTU/hr.ft.F |       |             |
|  |              |                                     | Head  | 111                        | 4.38   | 1.49         | 0.26              | 0.020       | 0.011 | 0.252       |
|  |              |                                     | Sill  | 116                        | 4.56   | 2.72         | 0.48              | 0.022       | 0.013 | BTU/hr.ft.F |
| left jamb  | 111          | 4.38                                | 1.63  | 0.29                       | 0.021  | 0.012        | 0.146             |             |       |             |
| right jamb   | 111          | 4.38                                | 1.63  | 0.29                       | 0.021  | 0.012        | Grade D           |             |       |             |

Valid through April 2024