

# Thermal Performance Data

## Premium Coastal IG Awning Windows (1210)


# WEATHER SHIELD.

## WINDOWS & DOORS

Revised 10/23/23

| ENERGY PERFORMANCE DATA                   |                         |                         |                       |         |                             |                             |                                |                      |    |    |   |
|---|-------------------------|-------------------------|-----------------------|---------|-----------------------------|-----------------------------|--------------------------------|----------------------|----|----|---|
| NFRC Total Unit Calculations <sup>a</sup> |                         |                         |                       |         |                             |                             |                                |                      |    |    |   |
| Grille Option                             | Glazing thickness       | Glazing Option          | CPD #                 | U Value | Solar Heat Gain Coefficient | Visible Light Transmittance | Condensation Resistance Rating | ENERGY STAR          |    |    |   |
|   |                         |                         |                       |         |                             |                             |                                | US ENERGY STAR V 7.0 |    |    |   |
|   |                         |                         |                       |         |                             |                             |                                | N                    | NC | SC | S |
| <b>Insulated Impact</b>                   |                         |                         |                       |         |                             |                             |                                |                      |    |    |   |
| <b>No GIA or SDL</b>                      | 1"                      | Clear Insul             | WEA-N-287-01171-00001 | 0.45    | 0.49                        | 0.54                        | 42                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 272         | WEA-N-287-01172-00001 | 0.34    | 0.28                        | 0.47                        | 51                             |                      |    |    |   |
|   | 1"                      | Insul Low E 272 w/Argon | WEA-N-287-01177-00001 | 0.30    | 0.28                        | 0.47                        | 54                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 366         | WEA-N-287-01173-00001 | 0.33    | 0.19                        | 0.42                        | 51                             |                      |    |    |   |
|   | 1"                      | Insul Low E 366 w/Argon | WEA-N-287-01178-00001 | 0.30    | 0.19                        | 0.42                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 240         | WEA-N-287-01175-00001 | 0.34    | 0.18                        | 0.26                        | 50                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 240 w/Argon | WEA-N-287-01180-00001 | 0.31    | 0.17                        | 0.26                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 340         | WEA-N-287-01174-00001 | 0.34    | 0.14                        | 0.25                        | 51                             |                      |    |    |   |
| 1"  | Insul Low-E 340 w/Argon | WEA-N-287-01179-00001   | 0.30                  | 0.13    | 0.25                        | 54                          |                                |                      |    | Y  |   |
| <b>Less Than 1" GIA or SDL</b>            | 1"                      | Clear Insul             | WEA-N-287-01171-00002 | 0.45    | 0.44                        | 0.48                        | 42                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 272         | WEA-N-287-01172-00002 | 0.34    | 0.26                        | 0.42                        | 51                             |                      |    |    |   |
|   | 1"                      | Insul Low E 272 w/Argon | WEA-N-287-01177-00002 | 0.30    | 0.26                        | 0.42                        | 54                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 366         | WEA-N-287-01173-00002 | 0.33    | 0.18                        | 0.38                        | 51                             |                      |    |    |   |
|   | 1"                      | Insul Low E 366 w/Argon | WEA-N-287-01178-00002 | 0.30    | 0.18                        | 0.38                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 240         | WEA-N-287-01175-00002 | 0.34    | 0.17                        | 0.23                        | 50                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 240 w/Argon | WEA-N-287-01180-00002 | 0.31    | 0.16                        | 0.23                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 340         | WEA-N-287-01174-00002 | 0.34    | 0.13                        | 0.23                        | 51                             |                      |    |    |   |
| 1"  | Insul Low-E 340 w/Argon | WEA-N-287-01179-00002   | 0.30                  | 0.12    | 0.23                        | 54                          |                                |                      |    | Y  |   |
| <b>1" Or Over GIA or SDL</b>              | 1"                      | Clear Insul             | WEA-N-287-01171-00003 | 0.45    | 0.40                        | 0.44                        | 42                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 272         | WEA-N-287-01172-00003 | 0.34    | 0.24                        | 0.38                        | 51                             |                      |    |    |   |
|   | 1"                      | Insul Low E 272 w/Argon | WEA-N-287-01177-00003 | 0.30    | 0.23                        | 0.38                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 366         | WEA-N-287-01173-00003 | 0.33    | 0.16                        | 0.34                        | 51                             |                      |    |    |   |
|   | 1"                      | Insul Low E 366 w/Argon | WEA-N-287-01178-00003 | 0.30    | 0.16                        | 0.34                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 240         | WEA-N-287-01175-00003 | 0.34    | 0.15                        | 0.21                        | 50                             |                      |    |    |   |
|   | 1"                      | Insul Low-E 240 w/Argon | WEA-N-287-01180-00003 | 0.31    | 0.15                        | 0.21                        | 54                             |                      |    |    | Y |
|   | 1"                      | Insul Low-E 340         | WEA-N-287-01174-00003 | 0.34    | 0.12                        | 0.21                        | 51                             |                      |    |    |   |
| 1"  | Insul Low-E 340 w/Argon | WEA-N-287-01179-00003   | 0.30                  | 0.11    | 0.21                        | 54                          |                                |                      |    | Y  |   |

<sup>a</sup> Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100, NFRC 200, and NFRC 500.

| US Qualification Criteria  | Climate Zone  | U-Factor | *SHGC  |                               |
|--|---------------|----------|--------|-------------------------------|
|  <p>Energy Star Version 7.0 Starting October 2023</p> | Northern      | <=0.22   | >=0.17 | Prescriptive                  |
|  | North-Central | =0.23    | >=0.35 | Equivalent Energy Performance |
|  |               | =0.24    |        |                               |
|  |               | =0.25    | >=0.40 |                               |
|  |               | 0.26     |        |                               |
|  | North-Central | <=0.25   | <=0.40 |                               |
|  | South-Central | <=0.28   | <=0.23 |                               |
| Southern   | <=0.32        | <=0.23   |        |                               |

\* SHGC = Solar Heat Gain Coefficient