



# Thermal Performance Charts and Energy Star Compliance

Energy Star Version 7.0 Criteria for Windows, Doors and Skylights went into effect on October 23<sup>rd</sup>, 2023. The new criteria and climate zone maps are outlined below.

All of Windsor’s Energy Star labels have been updated to the new criteria. The following pages can be used to determine which products and glass options meet Energy Star 7.0 for each climate zone.

Please note that the thermal performance numbers shown are based on units with no grids, common glass thicknesses and stainless steel IG spacers. Larger unit sizes, grilles and tints may affect thermal performance and Energy Star compliance. Always check your quote or acknowledgement to determine if a specific product, size and glass option meets Energy Star 7.0 criteria.

## Energy Star 7.0 for Windows, Doors & Skylights

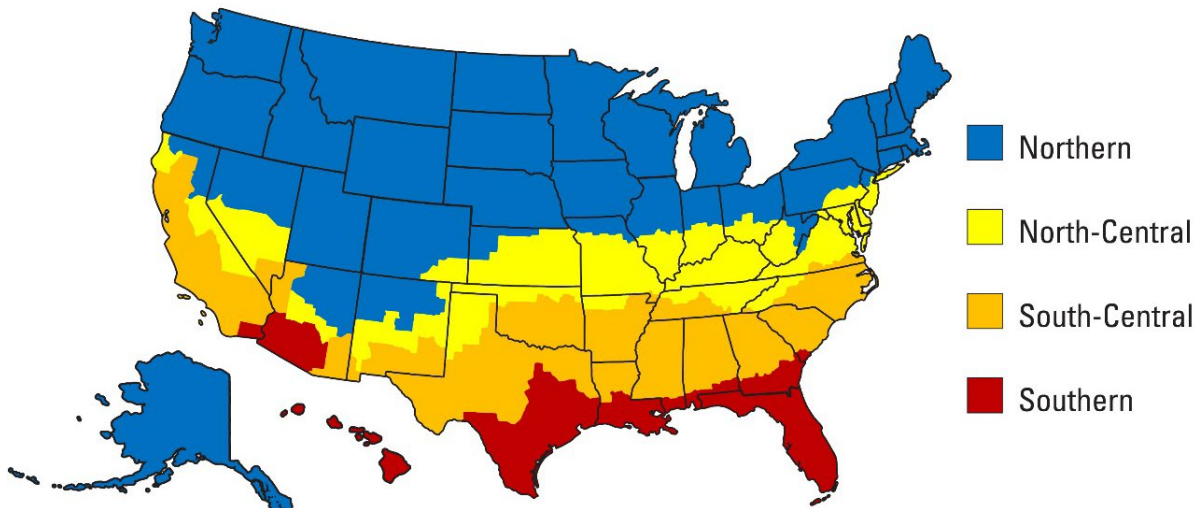
### ENERGY STAR® Certification Criteria for Residential Windows, Doors, and Skylights

| WINDOWS       |                       |                   |              |                               |
|---------------|-----------------------|-------------------|--------------|-------------------------------|
| Climate Zone  | U-Factor <sup>1</sup> | SHGC <sup>2</sup> |              |                               |
| Northern      | ≤ 0.22                | ≥ 0.17            | Prescriptive |                               |
|               | = 0.23                | ≥ 0.35            |              | Equivalent Energy Performance |
|               | = 0.24                |                   |              |                               |
|               | = 0.25                |                   |              |                               |
|               | = 0.26                |                   |              |                               |
| North-Central | ≤ 0.25                | ≤ 0.40            |              |                               |
| South-Central | ≤ 0.28                | ≤ 0.23            |              |                               |
| Southern      | ≤ 0.32                | ≤ 0.23            |              |                               |

Air Leakage ≤ 0.3 cfm/ft<sup>2</sup>  
<sup>1</sup> Btu/h-ft<sup>2</sup>-°F  
<sup>2</sup> Solar Heat Gain Coefficient

| DOORS         |               |                       |                   |
|---------------|---------------|-----------------------|-------------------|
| Glazing Level | Climate Zone  | U-Factor <sup>1</sup> | SHGC <sup>2</sup> |
| Opaque        | All Zones     | ≤ 0.17                | No Rating         |
|               | ≤ ½-Lite      | All Zones             | ≤ 0.23            |
| > ½-Lite      | Northern      | ≤ 0.26                | ≤ 0.40            |
|               | North-Central |                       |                   |
|               | South-Central | ≤ 0.28                | ≤ 0.23            |
|               | Southern      |                       |                   |

Air Leakage for Sliding Doors ≤ 0.3 cfm/ft<sup>2</sup>  
 Air Leakage for Swinging Doors ≤ 0.5 cfm/ft<sup>2</sup>  
<sup>1</sup> Btu/h-ft<sup>2</sup>-°F  
<sup>2</sup> Solar Heat Gain Coefficient



# Thermal Performance Values

## New Next Dimension

| Product               | Pane Thickness  | IG Thickness          | Glass Type        | U-Value             | SHGC          | Energy Star 7.0 Compliance |      |    |   |
|-----------------------|-----------------|-----------------------|-------------------|---------------------|---------------|----------------------------|------|----|---|
|                       |                 |                       |                   |                     |               | N                          | NC   | SC | S |
| Casement              | 3.1mm           | 7/8"<br>Double Pane   | LoE 366 / Air     | 0.29                | 0.20          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 366 / Argon   | 0.26                | 0.19          | N                          | N    | Y  | Y |
|                       |                 |                       | LoE 180 / Air     | 0.30                | 0.45          | N                          | N    | N  | N |
|                       |                 |                       | LoE 180 / Argon   | 0.27                | 0.45          | N                          | N    | N  | N |
|                       |                 |                       | LoE 240 / Air     | 0.30                | 0.18          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 240 / Argon   | 0.27                | 0.18          | N                          | N    | Y  | Y |
|                       |                 |                       | Dual LoE / Air    | 0.25                | 0.19          | N                          | Y    | Y  | Y |
|                       |                 |                       | Dual LoE / Argon  | 0.22                | 0.19          | Y                          | Y    | Y  | Y |
|                       |                 |                       | Dual LoE HS / Air | 0.25                | 0.44          | Y                          | N    | N  | N |
|                       |                 | Dual LoE HS / Argon   | 0.23              | 0.44                | Y             | N                          | N    | N  |   |
|                       |                 | 1 1/4"<br>Triple Pane | LoE 180 / Air     | 0.21                | 0.39          | Y                          | Y    | N  | N |
|                       |                 |                       | LoE 180 / Argon   | 0.18                | 0.40          | Y                          | Y    | N  | N |
|                       |                 |                       | LoE 366 / Air     | 0.20                | 0.18          | Y                          | Y    | Y  | Y |
|                       |                 |                       | LoE 366 / Argon   | 0.18                | 0.18          | Y                          | Y    | Y  | Y |
|                       |                 | 1" Impact             | LoE 180 / Air     | 0.29                | 0.44          | N                          | N    | N  | N |
|                       |                 |                       | LoE 180 / Argon   | 0.26                | 0.44          | Y                          | N    | N  | N |
|                       |                 |                       | LoE 240 / Air     | 0.29                | 0.18          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 240 / Argon   | 0.26                | 0.17          | N                          | N    | Y  | Y |
|                       |                 |                       | LoE 366 / Air     | 0.28                | 0.19          | N                          | N    | Y  | Y |
|                       |                 |                       | LoE 366 / Argon   | 0.25                | 0.19          | N                          | Y    | Y  | Y |
|                       |                 | Awning                | 3.1mm             | 7/8"<br>Double Pane | LoE 366 / Air | 0.29                       | 0.20 | N  | N |
| LoE 366 / Argon       | 0.26            |                       |                   |                     | 0.19          | N                          | N    | Y  | Y |
| LoE 180 / Air         | 0.30            |                       |                   |                     | 0.45          | N                          | N    | N  | N |
| LoE 180 / Argon       | 0.27            |                       |                   |                     | 0.45          | N                          | N    | N  | N |
| LoE 240 / Air         | 0.30            |                       |                   |                     | 0.18          | N                          | N    | N  | Y |
| LoE 240 / Argon       | 0.27            |                       |                   |                     | 0.18          | N                          | N    | Y  | Y |
| Dual LoE / Air        | 0.25            |                       |                   |                     | 0.19          | N                          | Y    | Y  | Y |
| Dual LoE / Argon      | 0.23            |                       |                   |                     | 0.19          | N                          | Y    | Y  | Y |
| Dual LoE HS / Air     | 0.26            |                       |                   |                     | 0.44          | Y                          | N    | N  | N |
| Dual LoE HS / Argon   | 0.24            |                       |                   | 0.44                | Y             | N                          | N    | N  |   |
| 1 1/4"<br>Triple Pane | LoE 180 / Air   |                       |                   | 0.21                | 0.39          | Y                          | Y    | N  | N |
|                       | LoE 180 / Argon |                       |                   | 0.18                | 0.40          | Y                          | Y    | N  | N |
|                       | LoE 366 / Air   |                       |                   | 0.21                | 0.18          | Y                          | Y    | Y  | Y |
|                       | LoE 366 / Argon |                       |                   | 0.18                | 0.18          | Y                          | Y    | Y  | Y |
| 1" Impact             | LoE 180 / Air   |                       |                   | 0.29                | 0.44          | N                          | N    | N  | N |
|                       | LoE 180 / Argon |                       |                   | 0.26                | 0.44          | Y                          | N    | N  | N |
|                       | LoE 240 / Air   |                       |                   | 0.29                | 0.18          | N                          | N    | N  | Y |
|                       | LoE 240 / Argon |                       |                   | 0.26                | 0.17          | N                          | N    | Y  | Y |
|                       | LoE 366 / Air   |                       |                   | 0.28                | 0.19          | N                          | N    | Y  | Y |
|                       | LoE 366 / Argon |                       |                   | 0.25                | 0.19          | N                          | Y    | Y  | Y |

# Thermal Performance Values

## New Next Dimension

| Product               | Pane Thickness  | IG Thickness          | Glass Type          | U-Value             | SHGC          | Energy Star 7.0 Compliance |      |    |   |
|-----------------------|-----------------|-----------------------|---------------------|---------------------|---------------|----------------------------|------|----|---|
|                       |                 |                       |                     |                     |               | N                          | NC   | SC | S |
| Casement Picture      | 3.9mm           | 7/8"<br>Double Pane   | LoE 366 / Air       | 0.30                | 0.23          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 366 / Argon     | 0.27                | 0.22          | N                          | N    | Y  | Y |
|                       |                 |                       | LoE 180 / Air       | 0.32                | 0.51          | N                          | N    | N  | N |
|                       |                 |                       | LoE 180 / Argon     | 0.28                | 0.51          | N                          | N    | N  | N |
|                       |                 |                       | LoE 240 / Air       | 0.31                | 0.21          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 240 / Argon     | 0.28                | 0.20          | N                          | N    | Y  | Y |
|                       |                 |                       | Dual LoE / Air      | 0.25                | 0.22          | N                          | Y    | Y  | Y |
|                       |                 |                       | Dual LoE / Argon    | 0.22                | 0.22          | Y                          | Y    | Y  | Y |
|                       |                 |                       | Dual LoE HS / Air   | 0.26                | 0.49          | Y                          | N    | N  | N |
|                       |                 |                       | Dual LoE HS / Argon | 0.23                | 0.49          | Y                          | N    | N  | N |
|                       |                 | 1 1/4"<br>Triple Pane | LoE 180 / Air       | 0.21                | 0.46          | Y                          | N    | N  | N |
|                       |                 |                       | LoE 180 / Argon     | 0.18                | 0.46          | Y                          | N    | N  | N |
|                       |                 |                       | LoE 366 / Air       | 0.22                | 0.21          | Y                          | Y    | Y  | Y |
|                       |                 |                       | LoE 366 / Argon     | 0.18                | 0.20          | Y                          | Y    | Y  | Y |
|                       |                 | 1" Impact             | LoE 180 / Air       | 0.30                | 0.50          | N                          | N    | N  | N |
|                       |                 |                       | LoE 180 / Argon     | 0.27                | 0.50          | N                          | N    | N  | N |
|                       |                 |                       | LoE 240 / Air       | 0.30                | 0.20          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 240 / Argon     | 0.27                | 0.20          | N                          | N    | Y  | Y |
|                       |                 |                       | LoE 366 / Air       | 0.29                | 0.22          | N                          | N    | N  | Y |
|                       |                 |                       | LoE 366 / Argon     | 0.26                | 0.22          | N                          | N    | Y  | Y |
|                       |                 | Direct Set / Radius   | 3.9mm               | 7/8"<br>Double Pane | LoE 366 / Air | 0.30                       | 0.25 | N  | N |
| LoE 366 / Argon       | 0.26            |                       |                     |                     | 0.24          | N                          | N    | N  | N |
| LoE 180 / Air         | 0.31            |                       |                     |                     | 0.56          | N                          | N    | N  | N |
| LoE 180 / Argon       | 0.28            |                       |                     |                     | 0.56          | N                          | N    | N  | N |
| LoE 240 / Air         | 0.31            |                       |                     |                     | 0.22          | N                          | N    | N  | Y |
| LoE 240 / Argon       | 0.27            |                       |                     |                     | 0.22          | N                          | N    | Y  | Y |
| Dual LoE / Air        | 0.24            |                       |                     |                     | 0.24          | N                          | Y    | N  | N |
| Dual LoE / Argon      | 0.22            |                       |                     |                     | 0.24          | Y                          | Y    | N  | N |
| Dual LoE HS / Air     | 0.25            |                       |                     |                     | 0.53          | Y                          | N    | N  | N |
| Dual LoE HS / Argon   | 0.23            |                       |                     |                     | 0.54          | Y                          | N    | N  | N |
| 1 1/4"<br>Triple Pane | LoE 180 / Air   |                       |                     | 0.21                | 0.48          | Y                          | N    | N  | N |
|                       | LoE 180 / Argon |                       |                     | 0.18                | 0.48          | Y                          | N    | N  | N |
|                       | LoE 366 / Air   |                       |                     | 0.21                | 0.22          | Y                          | Y    | Y  | Y |
|                       | LoE 366 / Argon |                       |                     | 0.17                | 0.22          | Y                          | Y    | Y  | Y |
| 1" Impact             | LoE 180 / Air   |                       |                     | 0.30                | 0.54          | N                          | N    | N  | N |
|                       | LoE 180 / Argon |                       |                     | 0.27                | 0.54          | N                          | N    | N  | N |
|                       | LoE 240 / Air   |                       |                     | 0.30                | 0.22          | N                          | N    | N  | Y |
|                       | LoE 240 / Argon |                       |                     | 0.26                | 0.21          | N                          | N    | Y  | Y |
|                       | LoE 366 / Air   |                       |                     | 0.29                | 0.24          | N                          | N    | N  | N |
|                       | LoE 366 / Argon |                       |                     | 0.25                | 0.24          | N                          | Y    | N  | N |

# Thermal Performance Values

## New Next Dimension

| Product             | Pane Thickness  | IG Thickness       | Glass Type          | U-Value          | SHGC          | Energy Star 7.0 Compliance |      |    |   |
|---------------------|-----------------|--------------------|---------------------|------------------|---------------|----------------------------|------|----|---|
|                     |                 |                    |                     |                  |               | N                          | NC   | SC | S |
| Single Hung         | 3.1mm           | 7/8" Double Pane   | LoE 366 / Air       | 0.32             | 0.22          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 366 / Argon     | 0.28             | 0.22          | N                          | N    | Y  | Y |
|                     |                 |                    | LoE 180 / Air       | 0.33             | 0.51          | N                          | N    | N  | N |
|                     |                 |                    | LoE 180 / Argon     | 0.30             | 0.51          | N                          | N    | N  | N |
|                     |                 |                    | LoE 240 / Air       | 0.33             | 0.22          | N                          | N    | N  | N |
|                     |                 |                    | LoE 240 / Argon     | 0.29             | 0.20          | N                          | N    | N  | Y |
|                     |                 |                    | Dual LoE / Air      | 0.27             | 0.21          | N                          | N    | Y  | Y |
|                     |                 |                    | Dual LoE / Argon    | 0.24             | 0.21          | N                          | Y    | Y  | Y |
|                     |                 |                    | Dual LoE HS / Air   | 0.27             | 0.49          | N                          | N    | N  | N |
|                     |                 |                    | Dual LoE HS / Argon | 0.25             | 0.49          | Y                          | N    | N  | N |
|                     |                 | 1 1/4" Triple Pane | LoE 180 / Air       | 0.23             | 0.44          | Y                          | N    | N  | N |
|                     |                 |                    | LoE 180 / Argon     | 0.20             | 0.44          | Y                          | N    | N  | N |
|                     |                 |                    | LoE 366 / Air       | 0.22             | 0.20          | Y                          | Y    | Y  | Y |
|                     |                 |                    | LoE 366 / Argon     | 0.19             | 0.20          | Y                          | Y    | Y  | Y |
|                     |                 | 1" Impact          | LoE 180 / Air       | 0.32             | 0.49          | N                          | N    | N  | N |
|                     |                 |                    | LoE 180 / Argon     | 0.28             | 0.49          | N                          | N    | N  | N |
|                     |                 |                    | LoE 240 / Air       | 0.32             | 0.20          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 240 / Argon     | 0.28             | 0.19          | N                          | N    | Y  | Y |
|                     |                 |                    | LoE 366 / Air       | 0.30             | 0.21          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 366 / Argon     | 0.27             | 0.21          | N                          | N    | Y  | Y |
|                     |                 | Double Hung        | 3.1mm               | 7/8" Double Pane | LoE 366 / Air | 0.32                       | 0.21 | N  | N |
| LoE 366 / Argon     | 0.28            |                    |                     |                  | 0.21          | N                          | N    | Y  | Y |
| LoE 180 / Air       | 0.33            |                    |                     |                  | 0.49          | N                          | N    | N  | N |
| LoE 180 / Argon     | 0.30            |                    |                     |                  | 0.49          | N                          | N    | N  | N |
| LoE 240 / Air       | 0.32            |                    |                     |                  | 0.20          | N                          | N    | N  | Y |
| LoE 240 / Argon     | 0.29            |                    |                     |                  | 0.19          | N                          | N    | N  | Y |
| Dual LoE / Air      | 0.27            |                    |                     |                  | 0.21          | N                          | N    | Y  | Y |
| Dual LoE / Argon    | 0.24            |                    |                     |                  | 0.20          | N                          | Y    | Y  | Y |
| Dual LoE HS / Air   | 0.27            |                    |                     |                  | 0.47          | N                          | N    | N  | N |
| Dual LoE HS / Argon | 0.25            |                    |                     |                  | 0.47          | Y                          | N    | N  | N |
| 1 1/4" Triple Pane  | LoE 180 / Air   |                    |                     | 0.23             | 0.43          | Y                          | N    | N  | N |
|                     | LoE 180 / Argon |                    |                     | 0.20             | 0.43          | Y                          | N    | N  | N |
|                     | LoE 366 / Air   |                    |                     | 0.22             | 0.19          | Y                          | Y    | Y  | Y |
|                     | LoE 366 / Argon |                    |                     | 0.19             | 0.19          | Y                          | Y    | Y  | Y |
| 1" Impact           | LoE 180 / Air   |                    |                     | 0.31             | 0.47          | N                          | N    | N  | N |
|                     | LoE 180 / Argon |                    |                     | 0.28             | 0.47          | N                          | N    | N  | N |
|                     | LoE 240 / Air   |                    |                     | 0.31             | 0.19          | N                          | N    | N  | Y |
|                     | LoE 240 / Argon |                    |                     | 0.28             | 0.19          | N                          | N    | Y  | Y |
|                     | LoE 366 / Air   |                    |                     | 0.30             | 0.21          | N                          | N    | N  | Y |
|                     | LoE 366 / Argon |                    |                     | 0.27             | 0.20          | N                          | N    | Y  | Y |

# Thermal Performance Values

## New Next Dimension

| Product             | Pane Thickness  | IG Thickness       | Glass Type          | U-Value          | SHGC          | Energy Star 7.0 Compliance |      |    |   |
|---------------------|-----------------|--------------------|---------------------|------------------|---------------|----------------------------|------|----|---|
|                     |                 |                    |                     |                  |               | N                          | NC   | SC | S |
| SH/DH Picture       | 3.9mm           | 7/8" Double Pane   | LoE 366 / Air       | 0.30             | 0.23          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 366 / Argon     | 0.26             | 0.23          | N                          | N    | Y  | Y |
|                     |                 |                    | LoE 180 / Air       | 0.31             | 0.53          | N                          | N    | N  | N |
|                     |                 |                    | LoE 180 / Argon     | 0.27             | 0.53          | N                          | N    | N  | N |
|                     |                 |                    | LoE 240 / Air       | 0.31             | 0.21          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 240 / Argon     | 0.27             | 0.21          | N                          | N    | Y  | Y |
|                     |                 |                    | Dual LoE / Air      | 0.24             | 0.23          | N                          | Y    | Y  | Y |
|                     |                 |                    | Dual LoE / Argon    | 0.22             | 0.23          | Y                          | Y    | Y  | Y |
|                     |                 |                    | Dual LoE HS / Air   | 0.25             | 0.51          | Y                          | N    | N  | N |
|                     |                 |                    | Dual LoE HS / Argon | 0.23             | 0.51          | Y                          | N    | N  | N |
|                     |                 | 1 1/4" Triple Pane | LoE 180 / Air       | 0.21             | 0.46          | Y                          | N    | N  | N |
|                     |                 |                    | LoE 180 / Argon     | 0.18             | 0.46          | Y                          | N    | N  | N |
|                     |                 |                    | LoE 366 / Air       | 0.21             | 0.21          | Y                          | Y    | Y  | Y |
|                     |                 |                    | LoE 366 / Argon     | 0.18             | 0.21          | Y                          | Y    | Y  | Y |
|                     |                 | 1" Impact          | LoE 180 / Air       | 0.30             | 0.51          | N                          | N    | N  | N |
|                     |                 |                    | LoE 180 / Argon     | 0.26             | 0.51          | Y                          | N    | N  | N |
|                     |                 |                    | LoE 240 / Air       | 0.29             | 0.21          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 240 / Argon     | 0.26             | 0.20          | N                          | N    | Y  | Y |
|                     |                 |                    | LoE 366 / Air       | 0.29             | 0.23          | N                          | N    | N  | Y |
|                     |                 |                    | LoE 366 / Argon     | 0.25             | 0.23          | N                          | Y    | Y  | Y |
|                     |                 | Slider             | 3.1mm               | 7/8" Double Pane | LoE 366 / Air | 0.31                       | 0.22 | N  | N |
| LoE 366 / Argon     | 0.28            |                    |                     |                  | 0.21          | N                          | N    | Y  | Y |
| LoE 180 / Air       | 0.33            |                    |                     |                  | 0.50          | N                          | N    | N  | N |
| LoE 180 / Argon     | 0.29            |                    |                     |                  | 0.50          | N                          | N    | N  | N |
| LoE 240 / Air       | 0.32            |                    |                     |                  | 0.20          | N                          | N    | N  | Y |
| LoE 240 / Argon     | 0.29            |                    |                     |                  | 0.20          | N                          | N    | N  | Y |
| Dual LoE / Air      | 0.26            |                    |                     |                  | 0.21          | N                          | N    | Y  | Y |
| Dual LoE / Argon    | 0.24            |                    |                     |                  | 0.21          | N                          | Y    | Y  | Y |
| Dual LoE HS / Air   | 0.27            |                    |                     |                  | 0.49          | N                          | N    | N  | N |
| Dual LoE HS / Argon | 0.25            |                    |                     |                  | 0.49          | Y                          | N    | N  | N |
| 1 1/4" Triple Pane  | LoE 180 / Air   |                    |                     | 0.22             | 0.44          | Y                          | N    | N  | N |
|                     | LoE 180 / Argon |                    |                     | 0.19             | 0.44          | Y                          | N    | N  | N |
|                     | LoE 366 / Air   |                    |                     | 0.22             | 0.20          | Y                          | Y    | Y  | Y |
|                     | LoE 366 / Argon |                    |                     | 0.19             | 0.19          | Y                          | Y    | Y  | Y |
| 1" Impact           | LoE 180 / Air   |                    |                     | 0.31             | 0.49          | N                          | N    | N  | N |
|                     | LoE 180 / Argon |                    |                     | 0.28             | 0.49          | N                          | N    | N  | N |
|                     | LoE 240 / Air   |                    |                     | 0.31             | 0.20          | N                          | N    | N  | Y |
|                     | LoE 240 / Argon |                    |                     | 0.28             | 0.19          | N                          | N    | Y  | Y |
|                     | LoE 366 / Air   |                    |                     | 0.30             | 0.21          | N                          | N    | N  | Y |
|                     | LoE 366 / Argon |                    |                     | 0.27             | 0.21          | N                          | N    | Y  | Y |

# Thermal Performance Values

## New Next Dimension

| Product             | Pane Thickness | IG Thickness          | Glass Type          | U-Value | SHGC | Energy Star 7.0 Compliance |    |    |   |
|---------------------|----------------|-----------------------|---------------------|---------|------|----------------------------|----|----|---|
|                     |                |                       |                     |         |      | N                          | NC | SC | S |
| Narrow Sliding Door | 3.9mm          | 7/8"<br>Double Pane   | LoE 366 / Air       | 0.32    | 0.22 | N                          | N  | N  | N |
|                     |                |                       | LoE 366 / Argon     | 0.28    | 0.22 | N                          | N  | Y  | Y |
|                     |                |                       | LoE 180 / Air       | 0.33    | 0.51 | N                          | N  | N  | N |
|                     |                |                       | LoE 180 / Argon     | 0.29    | 0.51 | N                          | N  | N  | N |
|                     |                |                       | LoE 240 / Air       | 0.32    | 0.20 | N                          | N  | N  | N |
|                     |                |                       | LoE 240 / Argon     | 0.29    | 0.20 | N                          | N  | N  | N |
|                     |                |                       | Dual LoE / Air      | 0.26    | 0.22 | Y                          | Y  | Y  | Y |
|                     |                |                       | Dual LoE / Argon    | 0.24    | 0.22 | Y                          | Y  | Y  | Y |
|                     |                |                       | Dual LoE HS / Air   | 0.27    | 0.49 | N                          | N  | N  | N |
|                     |                |                       | Dual LoE HS / Argon | 0.25    | 0.49 | N                          | N  | N  | N |
| French Sliding Door | 3.9mm          | 1"<br>Double Pane     | LoE 366 / Air       | 0.32    | 0.19 | N                          | N  | N  | N |
|                     |                |                       | LoE 366 / Argon     | 0.29    | 0.19 | N                          | N  | N  | N |
|                     |                |                       | LoE 180 / Air       | 0.33    | 0.44 | N                          | N  | N  | N |
|                     |                |                       | LoE 180 / Argon     | 0.30    | 0.44 | N                          | N  | N  | N |
|                     |                |                       | LoE 240 / Air       | 0.33    | 0.18 | N                          | N  | N  | N |
|                     |                |                       | LoE 240 / Argon     | 0.30    | 0.18 | N                          | N  | N  | N |
|                     |                |                       | Dual LoE / Air      | 0.27    | 0.19 | N                          | N  | Y  | Y |
|                     |                |                       | Dual LoE / Argon    | 0.25    | 0.19 | Y                          | Y  | Y  | Y |
|                     |                |                       | Dual LoE HS / Air   | 0.28    | 0.43 | N                          | N  | N  | N |
|                     |                | Dual LoE HS / Argon   | 0.26                | 0.43    | N    | N                          | N  | N  |   |
|                     |                | 1 1/4"<br>Triple Pane | LoE 180 / Air       | 0.25    | 0.38 | Y                          | Y  | N  | N |
|                     |                |                       | LoE 180 / Argon     | 0.22    | 0.38 | Y                          | Y  | N  | N |
|                     |                |                       | LoE 366 / Air       | 0.25    | 0.18 | Y                          | Y  | Y  | Y |
|                     |                |                       | LoE 366 / Argon     | 0.22    | 0.17 | Y                          | Y  | Y  | Y |
|                     |                | 1" Impact             | LoE 180 / Air       | 0.32    | 0.44 | N                          | N  | N  | N |
|                     |                |                       | LoE 180 / Argon     | 0.30    | 0.44 | N                          | N  | N  | N |
|                     |                |                       | LoE 240 / Air       | 0.32    | 0.02 | N                          | N  | N  | N |
|                     |                |                       | LoE 240 / Argon     | 0.29    | 0.17 | N                          | N  | N  | N |
| LoE 366 / Air       | 0.31           |                       | 0.19                | N       | N    | N                          | N  |    |   |
| LoE 366 / Argon     | 0.28           |                       | 0.19                | N       | N    | Y                          | Y  |    |   |