



Thermal Performance Data

Premium Sliding Patio Door (8728)

WEATHER SHIELD.

WINDOWS & DOORS

| US Qualification Criteria | Climate Zone | U-Value | SHGC |
|---|---------------|---------|--------|
|  <p>Energy Star Version 7.0 Starting October 2023</p> | Northern | <=0.26 | <=0.40 |
| | North-Central | | |
| | South-Central | <=0.28 | <=0.23 |
| | Southern | | |

| Canadian Qualification Criteria | U-Value | or | Energy Rating |
|---|---------------------------|----|---------------|
|  <p>Energy Star Version 5.0 starting January 2020</p> | <=1.22 | | >=34 |
| | Air Leakage <= 1.5 L/s/m2 | | |

U-Value

A measurement of how much energy a material conducts. The lower the U-Value, the greater the insulating effect.

Solar Heat Gain Coefficient (SHGC)

Measures how well a window or door prevents heat from passing through it. The lower a window or door's SHGC, the less heat it allows to pass through it.

Visible Light Transmittance

The amount of light in the visible portion of the spectrum that passes through a glazing material.

Condensation Resistance Rating

Measures how well a window resists the formation of condensation on the inside surface. The higher the number the better resistance to condensation.

Energy Rating

A value demonstrating the balance between U-Value, SHGC and air leakage. The higher the number, the more efficient the product.

R-Value

A measurement of how much a material resists heat transfer. A higher R-Value means a greater insulating effect and a lower rate of heat flow out of the home. While **R-value** measures resistance to heat transfer, **U-value** measures the rate of heat transfer. In simple terms, **U-value** is the mathematical reciprocal of **R-value**; that is, **U = 1/R and R = 1/U**.

^a 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.

^b Published values reflect 3mm glass lite thicknesses.

| ENERGY PERFORMANCE DATA | | | | | | | | CANADIAN ENERGY PERFORMANCE DATA | | | | | | | |
|-----------------------------------|-------------------------|--|-----------------------|-----------------------|-----------------------------|-----------------------------|--------------------------------|----------------------------------|----|----|------|------------------|----------------------------|---------------------------------------|---------------|
| Premium Sliding Patio Door (8728) | | | | | | | | ENERGY STAR | | | | | | | |
| Grille Option | Glazing thickness | aNFRC Total Unit Calculations bGlazing Option | CPD # | U-Value | Solar Heat Gain Coefficient | Visible Light Transmittance | Condensation Resistance Rating | US ENERGY STAR V 7.0 | | | | U-Value (metric) | Maximum Air Leakage L/s/m2 | Air Infiltration/Exfiltration Average | Energy Rating |
| | | | | | | | | N | NC | SC | S | | | | |
| No GIA or SDL | 3/4" | Clear Insul | WEA-N-345-00001-00001 | 0.47 | 0.58 | 0.61 | 42 | | | | | 2.67 | 1.5 | 0.66 | 14 |
| | 3/4" | Insul Low-E | WEA-N-345-00002-00001 | 0.35 | 0.31 | 0.53 | 52 | | | | | 1.99 | 1.5 | 0.66 | 13 |
| | 3/4" | Insul Low E w/Argon | WEA-N-345-00010-00001 | 0.32 | 0.31 | 0.53 | 55 | | | | | 1.82 | 1.5 | 0.66 | 17 |
| | 3/4" | Passive Solar | WEA-N-345-00005-00001 | 0.36 | 0.51 | 0.59 | 52 | | | | | 2.04 | 1.5 | 0.66 | 23 |
| | 3/4" | Passive Solar w/Argon | WEA-N-345-00013-00001 | 0.33 | 0.51 | 0.59 | 55 | | | | | 1.87 | 1.5 | 0.66 | 27 |
| | 3/4" | Passive Solar Extreme | WEA-N-345-00006-00001 | 0.30 | 0.47 | 0.57 | 42 | | | | | 1.70 | 1.5 | 0.66 | 29 |
| | 3/4" | Passive Solar Extreme w/Argon | WEA-N-345-00014-00001 | 0.28 | 0.47 | 0.57 | 45 | | | | | 1.59 | 1.5 | 0.66 | 31 |
| | 3/4" | Zo-e-shield 5 | WEA-N-345-00003-00001 | 0.35 | 0.21 | 0.48 | 53 | | | | | 1.99 | 1.5 | 0.66 | 7 |
| | 3/4" | Zo-e-shield 5 w/ Argon | WEA-N-345-00011-00001 | 0.31 | 0.21 | 0.48 | 56 | | | | | 1.76 | 1.5 | 0.66 | 12 |
| | 3/4" | Zo-e-shield 5 Extreme | WEA-N-345-00004-00001 | 0.29 | 0.20 | 0.47 | 43 | | | | | 1.65 | 1.5 | 0.66 | 14 |
| | 3/4" | Zo-e-shield 5 Extreme w/ Argon | WEA-N-345-00012-00001 | 0.27 | 0.20 | 0.47 | 46 | | | Y | Y | 1.53 | 1.5 | 0.66 | 17 |
| | 3/4" | Zo-e-shield 6 | WEA-N-345-00153-00001 | 0.34 | 0.21 | 0.47 | 52 | | | | | 1.93 | 1.5 | 0.66 | 9 |
| | 3/4" | Zo-e-shield 6 w/ Argon | WEA-N-345-00161-00001 | 0.31 | 0.20 | 0.47 | 55 | | | | | 1.76 | 1.5 | 0.66 | 12 |
| | 3/4" | Zo-e SafeGuard Certified | WEA-N-345-00158-00001 | 0.34 | 0.20 | 0.47 | 52 | | | | | 1.93 | 1.5 | 0.66 | 8 |
| | 3/4" | Zo-e SafeGuard Certified w/ Argon | WEA-N-345-00166-00001 | 0.31 | 0.20 | 0.47 | 55 | | | | | 1.76 | 1.5 | 0.66 | 12 |
| | 3/4" | Zo-e-shield 7 | WEA-N-345-00089-00001 | 0.28 | 0.19 | 0.38 | 59 | | | Y | Y | 1.59 | 1.5 | 0.66 | 15 |
| | 3/4" | Zo-e-shield 7 w/ Argon | WEA-N-345-00107-00001 | 0.24 | 0.19 | 0.38 | 60 | Y | Y | Y | Y | 1.36 | 1.5 | 0.66 | 20 |
| | 3/4" | Insul Low-E 240 | WEA-N-345-00007-00001 | 0.36 | 0.19 | 0.30 | 52 | | | | | 2.04 | 1.5 | 0.66 | 5 |
| | 3/4" | Insul Low-E 240 w/Argon | WEA-N-345-00015-00001 | 0.32 | 0.19 | 0.30 | 55 | | | | | 1.82 | 1.5 | 0.66 | 10 |
| | Less Than 1" GIA or SDL | 3/4" | Clear Insul | WEA-N-345-00001-00002 | 0.47 | 0.51 | 0.53 | 42 | | | | | 2.67 | 1.5 | 0.66 |
| 3/4" | | Insul Low-E | WEA-N-345-00002-00002 | 0.35 | 0.28 | 0.46 | 52 | | | | | 1.99 | 1.5 | 0.66 | 11 |
| 3/4" | | Insul Low E w/Argon | WEA-N-345-00010-00002 | 0.32 | 0.27 | 0.46 | 55 | | | | | 1.82 | 1.5 | 0.66 | 14 |
| 3/4" | | Passive Solar | WEA-N-345-00005-00002 | 0.36 | 0.45 | 0.51 | 52 | | | | | 2.04 | 1.5 | 0.66 | 20 |
| 3/4" | | Passive Solar w/Argon | WEA-N-345-00013-00002 | 0.33 | 0.45 | 0.51 | 55 | | | | | 1.87 | 1.5 | 0.66 | 24 |
| 3/4" | | Passive Solar Extreme | WEA-N-345-00006-00002 | 0.30 | 0.41 | 0.50 | 42 | | | | | 1.70 | 1.5 | 0.66 | 25 |
| 3/4" | | Passive Solar Extreme w/Argon | WEA-N-345-00014-00002 | 0.28 | 0.41 | 0.50 | 45 | | | | | 1.59 | 1.5 | 0.66 | 28 |
| 3/4" | | Zo-e-shield 5 | WEA-N-345-00003-00002 | 0.35 | 0.18 | 0.42 | 53 | | | | | 1.99 | 1.5 | 0.66 | 6 |
| 3/4" | | Zo-e-shield 5 w/ Argon | WEA-N-345-00011-00002 | 0.31 | 0.18 | 0.42 | 56 | | | | | 1.76 | 1.5 | 0.66 | 11 |
| 3/4" | | Zo-e-shield 5 Extreme | WEA-N-345-00004-00002 | 0.29 | 0.18 | 0.41 | 43 | | | | | 1.65 | 1.5 | 0.66 | 13 |
| 3/4" | | Zo-e-shield 5 Extreme w/ Argon | WEA-N-345-00012-00002 | 0.27 | 0.18 | 0.41 | 46 | | | Y | Y | 1.53 | 1.5 | 0.66 | 16 |
| 3/4" | | Zo-e-shield 6 | WEA-N-345-00153-00002 | 0.34 | 0.18 | 0.41 | 52 | | | | | 1.93 | 1.5 | 0.66 | 7 |
| 3/4" | | Zo-e-shield 6 w/ Argon | WEA-N-345-00161-00002 | 0.31 | 0.18 | 0.41 | 55 | | | | | 1.76 | 1.5 | 0.66 | 11 |
| 3/4" | | Zo-e SafeGuard Certified | WEA-N-345-00158-00002 | 0.34 | 0.18 | 0.41 | 52 | | | | | 1.93 | 1.5 | 0.66 | 7 |
| 3/4" | | Zo-e SafeGuard Certified w/ Argon | WEA-N-345-00166-00002 | 0.31 | 0.18 | 0.41 | 55 | | | | | 1.76 | 1.5 | 0.66 | 11 |
| 3/4" | | Zo-e-shield 7 | WEA-N-345-00090-00001 | 0.28 | 0.17 | 0.33 | 59 | | | Y | Y | 1.59 | 1.5 | 0.66 | 14 |
| 3/4" | | Zo-e-shield 7 w/ Argon | WEA-N-345-00108-00001 | 0.25 | 0.17 | 0.33 | 60 | Y | Y | Y | Y | 1.42 | 1.5 | 0.66 | 17 |
| 3/4" | | Insul Low-E 240 | WEA-N-345-00007-00002 | 0.36 | 0.17 | 0.26 | 52 | | | | | 2.04 | 1.5 | 0.66 | 4 |
| 3/4" | | Insul Low-E 240 w/Argon | WEA-N-345-00015-00002 | 0.32 | 0.17 | 0.26 | 55 | | | | | 1.82 | 1.5 | 0.66 | 9 |
| 3/4" | | Insul Low-E 340 | WEA-N-345-00008-00002 | 0.35 | 0.13 | 0.25 | 53 | | | | | 1.99 | 1.5 | 0.66 | 3 |
| 3/4" | Insul Low-E 340 w/Argon | WEA-N-345-00016-00002 | 0.32 | 0.12 | 0.25 | 55 | | | | | 1.82 | 1.5 | 0.66 | 6 | |
| 3/4" | Bronze Low E | WEA-N-345-00002-00012 | 0.35 | 0.26 | 0.34 | 52 | | | | | 1.99 | 1.5 | 0.66 | 10 | |
| 3/4" | Bronze Low E w/Argon | WEA-N-345-00010-00012 | 0.32 | 0.26 | 0.34 | 55 | | | | | 1.82 | 1.5 | 0.66 | 14 | |
| 1" Or Over GIA or SDL | 3/4" | Clear Insul | WEA-N-345-00001-00003 | 0.47 | 0.44 | 0.46 | 42 | | | | | 2.67 | 1.5 | 0.66 | 6 |
| | 3/4" | Insul Low-E | WEA-N-345-00002-00003 | 0.35 | 0.24 | 0.40 | 52 | | | | | 1.99 | 1.5 | 0.66 | 9 |
| | 3/4" | Insul Low E w/Argon | WEA-N-345-00010-00003 | 0.32 | 0.24 | 0.40 | 55 | | | | | 1.82 | 1.5 | 0.66 | 13 |
| | 3/4" | Passive Solar | WEA-N-345-00005-00003 | 0.36 | 0.39 | 0.44 | 52 | | | | | 2.04 | 1.5 | 0.66 | 17 |
| | 3/4" | Passive Solar w/Argon | WEA-N-345-00013-00003 | 0.33 | 0.39 | 0.44 | 55 | | | | | 1.87 | 1.5 | 0.66 | 20 |
| | 3/4" | Passive Solar Extreme | WEA-N-345-00006-00003 | 0.30 | 0.36 | 0.43 | 42 | | | | | 1.70 | 1.5 | 0.66 | 22 |
| | 3/4" | Passive Solar Extreme w/Argon | WEA-N-345-00014-00003 | 0.28 | 0.36 | 0.43 | 45 | | | | | 1.59 | 1.5 | 0.66 | 25 |
| | 3/4" | Zo-e-shield 5 | WEA-N-345-00003-00003 | 0.35 | 0.16 | 0.36 | 53 | | | | | 1.99 | 1.5 | 0.66 | 4 |
| | 3/4" | Zo-e-shield 5 w/ Argon | WEA-N-345-00011-00003 | 0.31 | 0.16 | 0.36 | 56 | | | | | 1.76 | 1.5 | 0.66 | 9 |
| | 3/4" | Zo-e-shield 5 Extreme | WEA-N-345-00004-00003 | 0.29 | 0.16 | 0.35 | 43 | | | | | 1.65 | 1.5 | 0.66 | 12 |
| | 3/4" | Zo-e-shield 5 Extreme w/ Argon | WEA-N-345-00012-00003 | 0.27 | 0.16 | 0.35 | 46 | | | Y | Y | 1.53 | 1.5 | 0.66 | 14 |
| | 3/4" | Zo-e-shield 6 | WEA-N-345-00153-00003 | 0.34 | 0.16 | 0.36 | 52 | | | | | 1.93 | 1.5 | 0.66 | 6 |
| | 3/4" | Zo-e-shield 6 w/ Argon | WEA-N-345-00161-00003 | 0.31 | 0.16 | 0.36 | 55 | | | | | 1.76 | 1.5 | 0.66 | 9 |
| | 3/4" | Zo-e SafeGuard Certified | WEA-N-345-00158-00003 | 0.34 | 0.16 | 0.35 | 52 | | | | | 1.93 | 1.5 | 0.66 | 6 |
| | 3/4" | Zo-e SafeGuard Certified w/ Argon | WEA-N-345-00166-00003 | 0.31 | 0.16 | 0.35 | 55 | | | | | 1.76 | 1.5 | 0.66 | 9 |
| | 3/4" | Zo-e-shield 7 | WEA-N-345-00090-00002 | 0.28 | 0.15 | 0.29 | 59 | | | Y | Y | 1.59 | 1.5 | 0.66 | 13 |
| | 3/4" | Zo-e-shield 7 w/ Argon | WEA-N-345-00108-00002 | 0.25 | 0.15 | 0.29 | 60 | Y | Y | Y | Y | 1.42 | 1.5 | 0.66 | 16 |
| | 3/4" | Insul Low-E 240 | WEA-N-345-00007-00003 | 0.36 | 0.15 | 0.22 | 52 | | | | | 2.04 | 1.5 | 0.66 | 3 |
| | 3/4" | Insul Low-E 240 w/Argon | WEA-N-345-00015-00003 | 0.32 | 0.15 | 0.22 | 55 | | | | | 1.82 | 1.5 | 0.66 | 8 |
| | 3/4" | Insul Low-E 340 | WEA-N-345-00008-00003 | 0.35 | 0.11 | 0.22 | 53 | | | | | 1.99 | 1.5 | 0.66 | 1 |
| 3/4" | Insul Low-E 340 w/Argon | WEA-N-345-00016-00003 | 0.32 | 0.11 | 0.22 | 55 | | | | | 1.82 | 1.5 | 0.66 | 5 | |
| 3/4" | Bronze Low E | WEA-N-345-00002-00013 | 0.35 | 0.23 | 0.30 | 52 | | | | | 1.99 | 1.5 | 0.66 | 8 | |
| 3/4" | Bronze Low E w/Argon | WEA-N-345-00010-00013 | 0.32 | 0.23 | 0.30 | 55 | | | | | 1.82 | 1.5 | 0.66 | 12 | |