 The Estate Patio Door combines the elegance of wood accents with the tasteful durability of vinyl to brighten the inside of your home all year long. The easy to operate sliding door is crafted to provide years of trouble free performance, and like every Peter Kohler entrance system; it’s backed by a comprehensive guarantee. Enhanced security options including a security bar and key lockset are also available to ensure maximum protection and security for your home.

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| **FRAME – Fusion welded corners** |
| White extruded polyvinyl chloride (uPVC) profiles. Optional tan extruded |
| Operator/Fixed Frame depth: 3.25” (83mm) |
| Small Picture Window Frame depth: 3.25” (83mm) |

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| **SASH – Fusion welded corners** |
| White extruded polyvinyl chloride (uPVC) profiles. Optional tan extruded |

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| **GLAZING** | |
| **Glazing method** | Insulated glass, hermetically sealed |
| **Glazing seal** | Tape glazed, silicon heel bead |
| **Glazing type** | Clear glass |
| **Spacer type** | Warm edge steel Intercept |
| **Options** | Soft coat LoE, Argon gas fill, Obscure glass, Tinted glass,  Energlas (LoE/Argon and Stainless Steel spacer),  Energlas Plus (triple paned, 2 panes with LoE glass, argon gas filling, and Edgetech warm edge Superspacer) |

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| **OPTIONS** | |
| **Insect Screens** | Aluminum full screen standard, white or tan to match frame and sash  Grey fiberglass standard screen mesh with pull tabs integrated into screen corner |
| **Int./Ext. SDL** | Int. bar: Extruded vinyl or wood, ¾” and 1” wide bars. White, tan or painted  Ext. bar: Extruded vinyl, ¾” or 1” wide bars. White, tan or painted  Pattern: Rectangular, custom lite layouts available |
| **Grills** | ¾” Contoured Georgian. White, tan, any standard color or split finish int./ext.  1” Contoured Georgian. White or any standard color  5/8” Flat Colonial. White, tan, brass, brushed aluminum or painted  Slimline 5/16” Flat Colonial. White, tan, pewter, black, gold, mill finish or painted |
| **Accessories** | Standard: ½” to ¾” return is built into the frame on the interior  Optional: 7/8”, 1 ½”, 2” or 3 ½” brick molding all four sides or with subsill. All available with J-trim and nailing fin. 2” and 3 ½” brick molds available with decorative molding |

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| **PERFORMANCE TESTS In accordance with AAMA/WDMA/CSA 101/1.5.2/A444-08** | | | | | | | | |
| **Door**  **(Patio)** | **Gateway Size (in)** | **Gateway Size (mm)** | **NAFS Rating** | **Canadian Air Infiltration** | **Water Resistance** | **Wind Load Resistance** | **DP Rating** | |
| **Water** | **Wind** |
| **Estate** | 71 ¼ x 79 ½ | 1810 x 2019 | R-PG40-SD | A3 | B3 | C3 | 45 | 40 |
| 109 ¾ x 101 11/16 | 2788 x 2583 | R-PG35-SD | A3 | B1 | C1 | 40 | 25 |

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|  | **THERMAL PERFORMANCE RATINGS In accordance to CSA A440.2-04** | | | | | | | | | |
| **Glass Options** | **Energy Rating** | **R-Value (Whole Window)** | **R-Value (Center of Glass)** | **U-Value (metric)** | **U-Value (imperial)** | **Solar Heat Gain Coefficient** | **Visible Transmittance** | **Condensation Resistance** | **Canadian Energy Star Zones** |
| **Double Glazed** | Energlas – HSG | 31 | 3.13 | 3.69 | 1.8 | 0.32 | 0.54 | 0.62 | 56 | ABC |
| LoE/Argon – HSG | 31 | 3.13 | 3.69 | 1.8 | 0.32 | 0.54 | 0.62 | 53 | ABC |
| Energlas – HSG w Grills | 27 | 3.13 | 3.69 | 1.8 | 0.32 | 0.48 | 0.54 | 56 | AB |
| LoE/Argon – HSG w Grills | 27 | 3.13 | 3.69 | 1.8 | 0.32 | 0.48 | 0.54 | 53 | AB |
| Clear | 15 | 2.13 | 2.08 | 2.7 | 0.47 | 0.59 | 0.63 | 42 |  |
| Clear w Grills | 11 | 2.13 | 2.08 | 2.7 | 0.47 | 0.52 | 0.55 | 42 |  |
| **Triple Glazed** |  |  |  |  |  |  |  |  |  |  |
| Energlas Plus Krypton – HSG | 40 | 5.00 | 6.85 | 1.1 | 0.20 | 0.44 | 0.56 | 64 | ABCD |
| Energlas Plus Argon – HSG | 35 | 4.17 | 4.74 | 1.4 | 0.24 | 0.44 | 0.56 | 63 | ABCD |
| Triple LoE/Argon x 1 LSG | 30 | 3.45 | 5.26 | 1.6 | 0.29 | 0.47 | 0.57 | 60 | ABC |
| Triple Clear | 27 | 2.78 | 3.21 | 2.0 | 0.36 | 0.53 | 0.57 | 53 |  |
|  | \***Energlas** uses a high performance warm edge spacer, one panel of LoE coated glass and one cavity filled with high density gas. | | | | | | | | | |
|  | \*\***Energlas Plus** is an ultra high performance, energy efficient, triple glazed system using warm edge SuperSpacer, two panels of LoE coated glass, and two cavities filled with high density glass. | | | | | | | | | |