



Innotech InnoNova Air-Water-Structural Performance Summary

This summary is based on CSA-A440-00 test reports for the InnoNova product line. This information is offered in good faith as an accurate summary of data in the referenced test reports. Refer to the test reports themselves to confirm that products meet specified performance requirements.

| Canadian Product Ratings | Test specimen size | Air tightness | Water tightness | Wind load resistance | Test report number |
|---|--------------------|-----------------|-----------------|--------------------------|--------------------|
| | mm | | | | |
| Dual Action T&T Window ¹ | 1000 x 1600 | A3 | B7 | C5 | 3070116-TT |
| Single outswing door ¹ | 1067 x 2438 | A3 | B7 | C5 | 3070116-OSWD |
| Single dual action inswing door ¹ | 1067 x 2438 | A3 | B7 | C5 | 30701161-TTD |
| Fixed window (interior glazed) ¹ | 2000 x 2000 | Fixed | B7 | C5 | 3104245COQ-002 |
| Fixed window (interior glazed) ⁹ | 1550 x 1537 | - | - | C5 ¹¹ | 3070116-Fixed 1 |
| Fixed window (exterior glazed) ¹ | 2000 x 2000 | Fixed | B7 | C5 | 3104245COQ-003 |
| Casement window ¹ | 1225 x 1535 | A3 | B7 | C5 | 3078426-C |
| Awning window ¹ | 1225 x 922 | A3 | B7 | C5 | 3078426-A |
| Sliding door (with mullion insert) ² | 1800 x 2050 | A3 ³ | B7 ⁴ | C3 ⁵ / 50 PSF | 3070116-PTSG |
| Sliding door (with mullion insert and surface-mounted reinforcing) ² | 1800 x 2050 | A3 ³ | B7 ⁴ | C5 ⁶ / 80 PSF | 3070116-PTSG |

| Equivalent US Product Ratings ⁷ | Test specimen size | Air tightness | Water tightness | Wind load resistance | Test report number |
|---|---------------------|---------------|-----------------|----------------------|--------------------|
| | inches | | | | |
| Dual Action T&T Window | 39 3/8 x 63 | 0.003 | 14.6 | 100 ¹⁴ | 3070116-TT |
| Single outswing door | 42 x 96 | 0.023 | 14.6 | 75 ¹³ | 3070116-OSWD |
| Single dual action inswing door | 42 x 96 | 0.004 | 14.6 | 65 ⁹ | 30701161-TTD |
| Fixed window (interior glazed) | 78 3/4 x 78 3/4 | 0.001 | 14.6 | 70 ¹² | 3104245COQ-002 |
| Fixed window (interior glazed) ⁹ | 61 x 61 1/2 | - | - | 80 ¹¹ | 3070116-Fixed 1 |
| Fixed window (exterior glazed) | 78 3/4 x 78 3/4 | 0.001 | 14.6 | 70 ¹² | 3104245COQ-003 |
| Casement window | 48 1/4 x 60 3/8 | 0.003 | 14.6 | 65 ⁹ | 3078426-C |
| Awning window | 48 1/4 x 36 1/4 | 0.008 | 14.6 | 65 ⁹ | 3078426-A |
| Sliding door (with mullion insert) ² | 70 13/16 x 80 11/16 | 0.019 | 14.6 | 50 ¹⁰ | 3070116-PTSG |
| Sliding door (with mullion insert and surface-mounted reinforcing) ² | 70 13/16 x 80 11/16 | 0.019 | 14.6 | 80 ¹⁰ | 3070116-PTSG |

- 1 Tested to CSA-A440-00.
- 2 Tested to CAN/CGSB-82.1-M89 with additional tests at higher pressures. The highest rating in this standard is A3 B4 C3.
- 3 Measured air infiltration was 0.16 (m³/h)m⁻¹, less than the Fixed rating of CSA-A440-00. CAN/CGSB-82.1-M89 reports this as A3.
- 4 Actual water tightness test pressure was 700 Pa corresponding to a B7 rating in CSA-A440. B4 (400 Pa) is the highest water tightness rating in CAN/CGSB-82.1-M89.
- 5 Actual test pressure was 2500 Pa (52 PSF) with deflection < L/175, blowout at 3830 Pa (80 PSF), corresponding to C3 in CSA-A440. C3 1000 Pa (L/175) is the highest wind load resistance rating in CAN/CGSB-82.1-M89.
- 6 Actual test pressure was 3830 Pa (80 PSF) with deflection < L/175, blowout at 5747 Pa (120 PSF), corresponding to C5 in CSA-A440. C3 1000 Pa (L/175) is the highest wind load resistance rating in CAN/CGSB-82.1-M89.
- 7 Based on data in the Canadian test reports.
- 8 Based on blowout (structural) test pressure of 4000 Pa (83 PSF).
- 9 Based on blowout (structural) test pressure of 5000 Pa (104 PSF).
- 10 Based on deflection < L/175 and blowout (structural) test pressure.
- 11 Based on blowout (structural) test pressure of 6000 Pa (125 PSF).
- 12 Based on blowout (structural) test pressure of 5000 Pa (105 PSF).
- 13 Based on blowout (structural) test pressure of 5500 Pa (115 PSF).
- 14 Based on blowout (structural) test pressure of 7500 Pa (156 PSF).