innotech
windows + doors

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 mm	Air tightness	Water tightness	Wind load resistance	Test report number
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 inches	Air tightness cfm/sft	Water tightness PSF	Wind load resistance DP in PSF	Test report number
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 ths standard is A3 B4 C3.
3 Measured air infiltration was 0.16 $(m^3/h)m^{-1}$, 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).

Version: 1.5
Issued: 11-01-2006