# 325 SERIES
# CASEMENT & FIXED WINDOWS

**TEST REPORT SUMMARY**
In compliance to AAMA/ 101/I.S.2/ CSA A440

| | Casement | Fixed |
|---|---|---|
| **TEST SIZE** | 804mm x 1620mm | 1524mm x 1778mm |
| | 31 5/8" x 63 3/4" | 60" x 70" |

| TYPE | TEST | REQUIREMENTS | | RESULTS | GRADE | |
|---|---|---|---|---|---|---|
| | | TEST METHOD | TEST PRESSURE | | AAMA | CSA |
| CASEMENT | Air Tightness | ASTM E 283 | 75 pa (1.57 psf) | +/- 0.035 $m^3/h/m$<br>+/- 0.006 CFM/ft | A3 | A3 |
| | | | 300 pa (6.24 psf) | +/- 1.28 $m^3/h/m^2$<br>+/- 0.07 $CFM/ft^2$ | PASS | PASS |
| | Water Tightness | ASTM E 547 | 1000 Pa (20.88 psf) | No Leakage | DP 100 | B7 |
| | Wind Load Resistance | ASTM E 330 | 5000 Pa (104 psf) | No Deformation | DP 65 | C5 |
| Series 325 casement window is rated C - C65 design pressure @ test pressure 320 kph 200 mph. | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| FIXED | Air Tightness | ASTM E 283 | 300 pa (6.24 psf) | +/- 0.020 $m^3/h/m$<br>+/- 0.07 $CFM/ft^2$ | PASS | FIXED |
| | Water Tightness | ASTM E 547/331 | 700 pa (14.9 psf) | No Leakage | DP 100 | B7 |
| | Wind Load Resistance | ASTM 330 | 4125 pa (86 psf) | No Deformation | DP 55 | C4 |
| Series 325 fixed window is rated F-HC 55 Design Pressure 55 @ test pressure 290 kph (180 mph). | | | | | | |

**Energy Ratings**

The Thermal Performance Values. Shown below, are based on windows glazed with 7/8" (22mm) insulating units comprising one lite of Low-E glass, an argon filled cavity, and a double sealed aluminum spacer and 3mm clear glass. Higher performance may be achieved by using various glass coatings, inert gasses, and/or warm edge spacers.

| | CASEMENT | | | FIXED | | |
|---|---|---|---|---|---|---|
| **Performance** | **CSA 440.2** | **NFRC 100** Residential 36" x 60" | **NFRC 100** Non-Residential 48" x 72" | **CSA 440.2** | **NFRC 100** Residential 36" x 60" | **NFRC 100** Non-Residential 48" x 72" |
| U-Value Frame | 1.43 $W/m^2/c$ | 0.26 Btu | 0.26 Btu | 1.64 $W/m^2/c$ | 0.34 Btu | 0.34 Btu |
| U-Value Window | 1.99 $W/m^2/c$ | 0.35 Btu | 0.34 Btu | 1.87 $W/m^2/c$ | 0.33 Btu | 0.33 Btu |
| SHGC - No Grill | 0.47 | 0.47 | 0.47 | 0.51 | 0.51 | 0.51 |
| SHGC - With Grill | 0.42 | 0.42 | 0.43 | 0.46 | 0.46 | 0.46 |
| VLT - No Grill | 0.50 | 0.50 | 0.53 | 0.58 | 0.58 | 0.59 |
| VLT - With Grill | 0.46 | 0.46 | 0.49 | 0.52 | 0.52 | 0.53 |

Note: The reader is cautioned that test results should be used for comparison purposes only. Results are size and installation dependent. In-Service performance can be significantly different from those shown.