

# FENESTRATION TESTING AND CERTIFICATION

LabTest Certification provides fast turnaround and competitive pricing for Testing and Certification according to national and international industry-set fenestration standards developed by: CSA, AAMA, ASTM, WDMA, and NFRC.

**NAFS testing** is required to determine the Performance Class (R, LC, CW, AW) and Performance Grade (PG) for fenestration products. A permanent label showing the appropriate ratings must be attached to the finished product before installation.

## STANDARDS

- NAFS - AAMA/WDMA/CSA 101/I.S.2/A440, Physical Performance Testing
- Thermal Modeling - A440.2, NFRC100 Fenestration Energy Performance Modeling

## TESTING:

- Operating Force
- Air Leakage
- Water Penetration
- Structural Performance
- Force Entry Resistance
- and more..

## PRODUCTS:

- Fixed & Sliding Window
- Casement Windows
- Side Hinged/Sliding Doors
- Skylights & Roof Windows
- and more..

## THERMAL SIMULATION:

- U-factor or U-value, Overall Coefficient of Heat Transfer
- SHGC, Solar Heat Gain Coefficient
- VT, Visible Transmittance
- ER, Energy Rating
- CR, Condensation Resistance

DO NOT REMOVE UNTIL FINAL INSPECTION / NE PAS RETIRER AVANT L'INSPECTION FINALE

Energy Performance Ratings Évaluation des propriétés énergétiques	
U-factor Facteur-U  W/m <sup>2</sup> ·K	Solar Heat Gain Coefficient Coefficient de gain de chaleur solaire
Energy rating Rendement énergétique	Visual Transmittance Transmission visible
<b>Window Company Ltd.</b> Optimal Sliding Glass Door Vinyl Frame, Double glaze Low-e coating (e=0.022, S3) Argon/air filled NR9999-9999999-ES	
	<small>Thermal performance and visual transmittance rating certified to CSA A440.2 &amp; NFRC 100. Ratings are determined for fixed set of environmental conditions and a specific product. LabTest Certification agency does not recommend or warrant product for any specific use.</small> <small>Les taux de performance thermique et de transmission visuelle certifiées selon la norme CSA A440.2 &amp; NFRC 100. L'évaluation est déterminée pour un ensemble fixe de conditions environnementales et un produit spécifique. LabTest Certification Inc. ne recommande pas et ne recommande aucun produit pour une utilisation particulière.</small>

	<small>Manufacturer: WINDOW/DOOR COMPANY</small> <small>Telephone: _____ Email: _____</small> <small>Address: _____</small> <small>Window Type</small> <small>Class XX - PG YY - Size tested: _____ x _____ mm</small> <small>Class XX - PG YY - Size tested: _____ x _____ inches</small> <small>Class XX - PG YYYY (S) - Size tested: _____ x _____ mm</small>
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Cost effective and Quick turnaround time

Your Partner In Testing and Certification