

CERTIFICATE
OF ACCREDITATION



Standards Council of Canada
Conseil canadien des normes

CERTIFICAT
D'ACCREDITATION

Canadian Building Envelope Science and Technology
CAN-BEST TESTING LABORATORY

38 Regan Road, Unit 4, Brampton, Ontario

having been assessed under the authority of the *Standards Council of Canada Act* and found to conform with the requirements of ISO/IEC 17025 and the conditions established by the SCC is hereby recognized as an

ACCREDITED TESTING LABORATORY

for specific tests or types of tests listed in the scope of accreditation approved by the Standards Council of Canada.

ayant été soumis à une évaluation selon la *Loi sur le Conseil canadien des normes* et ayant été trouvé conforme aux prescriptions d'ISO/CEI 17025 et aux conditions établies par le CCN est de fait reconnu comme étant un

LABORATOIRE D'ESSAIS ACCRÉDITÉ

pour les essais ou types d'essais déterminés inscrits dans la portée d'accréditation approuvée par le Conseil canadien des normes.




Accredited Laboratory No.: / Numéro de laboratoire accrédité : 222

Accreditation date: / Date d'accréditation : 1995-11-27

Issued on: / Délivré le : 2005-08-09

Expiry date: / Date d'expiration : 2009-11-27


Chairman (SCC) / Président (CCN)

Assessments are performed according to ISO/IEC 17025 and the conditions of the SCC PALCAN Handbook. Laboratories that comply with the requirements of ISO/IEC 17025 operate a quality management system for testing and calibration activities listed on the scope of accreditation, that also meet the general principles of ISO 9001. The controlled version of the scope of accreditation is maintained on the SCC website at www.scc.ca.

Les évaluations sont menées conformément à la norme ISO/CEI 17025 et aux conditions énoncées dans le Guide du PALCAN du CCN. Les laboratoires qui respectent les exigences d'ISO/CEI 17025 ont, dans les essais et étalonnages énumérés dans leur portée d'accréditation, recours à un système de management de la qualité conforme aux principes d'ISO 9001. La version contrôlée de la portée d'accréditation figure dans le site Web du CCN à www.ccn.ca.

SCOPE OF ACCREDITATION

Canadian Building Envelope Science and Technology
CAN-BEST TESTING LABORATORY
38 Regan Road, Unit 4
Brampton, ON
L7A 1C6

Accredited Laboratory No. 222
(Conforms with requirements of CAN-P-4D (ISO/IEC 17025))

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CLIENTS SERVED: All interested parties

FIELDS OF TESTING: Mechanical/Physical, Thermal & Fire Resistance

ISSUED ON: 2005-10-25

VALID TO: 2009-11-27

CONSTRUCTION

Building Constructions and Prefabricated Buildings

ASTM C 1201	Structural Performance of Exterior Dimension Stone Cladding Systems by Uniform Static Air Pressure Difference
ASTM C 236	Steady State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box
ASTM E 1155	Floor, Determining FF Floor Flatness and FL Floor Levelness Numbers
ASTM E 1186	Air Leakage Site Detection in Building Envelopes
ASTM E 1514	Structural Standing Seam Steel Roof Panel Systems
ASTM E 1554	Determining External Air Leakage of Air Distribution Systems by Fan Depressurization
ASTM E 1592	Structural Performance of Sheet Metal Roof and Siding

ASTM E 1646	Systems by Uniform Static Air Pressure Difference Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference
ASTM E 1677	Air Retarder (AR) Material or System for Low–Rise Framed Building Walls
ASTM E 196	Gravity Load Testing of Floors and Flat Roofs
ASTM E 455	Static Load Testing of Floor or Roof Diaphragm Constructions for Buildings
ASTM E 529	Conducting Flexural Tests on Beams and Girders for Building Construction
ASTM E 564	Static Load Test for Shear Resistance of Framed Walls for Buildings
ASTM E 72	Strength Test of Panels for Building Construction
ASTM E 73	Static Load Testing of Truss Assemblies
ASTM E 779	Determining Air Leakage Rate by Fan Depressurization
ASTM E 894	Anchorage of Permanent Metal Railing Systems and Rails for Buildings
ASTM E 907	Field Testing Uplift Resistance of Adhered Membrane Roofing Systems
ASTM E 935	Performance of Permanent Metal Railing Systems and Rails for Buildings
ASTM E 936	Inspection of Roof Systems Assemblies Employing Steel Deck, Preformed Roof Insulation, and Bituminous Built–up Roofing
ASTM E2178	Standard Test Method for Air Permeance of Building Materials
CAN BEST TM N104	Prefabricated Masonry Panels Performance Evaluation, Masterformat Section 04840
CAN BEST TM N105	Manufactured Steel Building Performance Evaluation, Masterformat Section 05401
CAN BEST TM N106	Prefabricated Insulated Steel Panel System Performance Evaluation, Masterformat Section 05405
CAN BEST TM N107	Open Web steel Frame Housing and Small Building Performance Evaluation, Masterformat Section 05403
CAN BEST TM N108	Structural Panels Performance Evaluation, Masterformat Section 06120
CAN BEST TM N109	Prefabricated Structural Wood Performance Evaluation, Masterformat Section 06170
CAN BEST TM N110	Wall Panel System Performance Evaluation, Masterformat Section 06300
CAN BEST TM N111	Exterior Insulation and Finish Panels EIFS (Thin Rendering) Performance Evaluation, Masterformat Section 07240
CAN BEST TM N112	Exterior Insulation and Finish Panels EIFS (Other Finishes) Performance Evaluation, Masterformat Section 07250
CAN BEST TM N113	Exterior Cement Board and Finish System Performance Evaluation, Masterformat Section 07255
CAN BEST TM N114	

	Vapour Retarders Performance Evaluation, Masterformat Section 07260
CAN BEST TM N115	Air Barriers Performance Evaluation, Masterformat Section 07270
CAN BEST TM N116	Metal Roof and Wall Panels Performance Evaluation, Masterformat Section 07410
CAN BEST TM N117	Plastic Roof and Wall Panels Performance Evaluation, Masterformat Section 07420
CAN BEST TM N118	Asphalt Corrugated Roof Panels Performance Evaluation, Masterformat Section 07425
CAN BEST TM N119	Composite Panels Performance Evaluation, Masterformat Section 07430
CAN BEST TM N120	Exterior Wall Assemblies Performance Evaluation, Masterformat Section 07430
CAN–BEST TM N101	Pressure Equalization Performance of Wall Assemblies Under Natural or Simulated Wind Conditions, Field and Laboratory Evaluation
CAN–BEST TM N102	Field Evaluation of Pressure Equalization Performance of Wall Assemblies Under Natural Wind Conditions
CAN–BEST TM N103	Field Evaluation of Pressure Equalization Performance of Wall Assemblies Subjected to Applied Pressure Differential
CAN–BEST TM N121	Method for Rating Water Vapour Transmission (Double Cup and Modified Inverted Cup Methods)
CAN–BEST TM N122	Method for Field Evaluation of Air Leakage in Building Envelope

Construction Materials

(Excluding Textile Products)

(Windows, Doors and Curtain Walls)

ANSI Z97.1	Safety Performance Specifications and Methods of Test for Safety Glazing Materials used in Buildings
ASTM C 1048	Standard Specification for Heat–Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass
ASTM C 1199	Thermal Transmittance of Fenestration Systems Using Hot Box Methods
ASTM C 1382	Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation and Finish Systems (EIFS)
ASTM D 2105	Standard Test Method for Longitudinal Tensile Properties of Fiberglass (Glass–Fiber–Reinforced Thermosetting–Resin) Pipe and Tube
ASTM D 2565	Standard Practice for Xenon Arc Exposure of Plastics Intended for Outdoor Applications
ASTM D 4073	Standard Test Method for Tensile–Tear Strength of Bituminous Roofing Membranes

ASTM D 4099	Windows, Poly[Vinyl Chloride] (PVC) Prime Windows/Sliding Glass Doors
ASTM D 4798	Standard Test Method for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Xenon–Arc Method)
ASTM D 638	Standard Test Method for Tensile Properties of Plastics
ASTM D 897	Standard Test Method for Tensile Properties of Adhesive Bonds
ASTM E 1017	Generic Performance Requirements for Exterior Residential Window Assemblies
ASTM E 1105	Field Determination of Water Penetration of Installed Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
ASTM E 1233	Structural Performance of Exterior Doors by Cyclic Static Air Pressure Differential
ASTM E 1423	Steady State Thermal Transmittance of Fenestration Systems
ASTM E 1424	Air Leakage Resistance at a Specified Air Pressure and Temperature Differential
ASTM E 1886	Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
ASTM E 283	Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen
ASTM E 330	Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
ASTM E 331	Water Penetration of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
ASTM E 547	Water Penetration Resistance of Exterior Doors by Cyclic Static Air Pressure Differential
ASTM E 576	Frost Point of Sealed Insulating Glass Units
ASTM E 773	Accelerated Weathering of Sealed Insulating Glass Units
ASTM E 783	Field Measurement of Air Leakage Through Installed Exterior Windows and Doors
ASTM E 96	Standard Test Methods for Water Vapour Transmission of Materials
ASTM E 987	Standard Test Methods for Deglazing Force of Fenestration Products
ASTM E 997	Structural Performance of Glass in Exterior Windows, Curtain Walls and Doors Under the Influence of Uniform Static Loads by Destructive Methods
ASTM E 998	Structural Performance of Glass in Exterior Windows, Curtain Walls and Doors Under the Influence of Uniform Static Loads by Nondestructive Methods
ASTM E2188	Standard Test Method for Insulating Glass Unit Performance
ASTM E2189	Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units

ASTM E2190	Standard Specification for Insulating Glass Unit Performance and Evaluation
ASTM E2273	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
ASTM F 1233	Resistance to Forced Entry of Security Glazing Systems, Non Ballistic Testing Only
ASTM F 476	Resistance to Forced Entry of Swinging Door Assemblies
ASTM F 588	Resistance to Forced Entry of Window Assemblies
ASTM F 842	Resistance to Forced Entry of Horizontal Sliding Door Assemblies
ASTM G 155	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
CAN/CGSB-63.14	Skylights, Plastic
CAN/CGSB-82.1	Doors, Sliding
CAN/CGSB-82.5	Doors, Insulated Steel
CGSB 82-GP-3M	Door, Aluminum, Combination Storm and Screen
CGSB 82-GP-4M	Door, Steel, Combination Storm and Screen
CGSB CAN2-12.1	Glass, Safety, Tempered or Laminated
CGSB CAN2-12.2	Glass, Sheet, Flat, Clear
CGSB CAN2-12.8	Insulating Glass Units Paragraph 3.6.3 "Argon Gas Concentration – GC Method"
CGSB CAN2-12.9	Glass, Spandrel
CSA A-440	Windows
CSA A-440.2	Energy Performance Evaluation of Windows and Sliding Glass Doors 5.3 Determination of U-Value by Calculation (Simulation)

Notes:

CAN-P-4D (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-1999)

P. Paladino, P. Eng., Director, Conformity Assessment

Date: 2005-10-25

Number of Scope Listings: 92

SCC 1003-15/226

Partner File #0

Partner: None