SCOPE OF ACCREDITATION

Intertek Testing Services NA Ltd.
INTERTEK VANCOUVER LABORATORY
1500 Brigantine Dr.
Coquitlam, BC
V3K 7C1

Accredited Laboratory No. 54
(Conforms with requirements of ISO/IEC 17025:2005)

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URL: http://www.intertek.com/canada/

CLIENTS SERVED: All interested parties, some test are available on-site.

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

SCOPE ISSUED ON: 2018-05-24

ACCREDITATION VALID TO: 2021-06-06

The following is a Scope of Accreditation for which this testing laboratory has been accredited to ISO/IEC 17025:2005. Note that the parent organization is also accredited as a certification body. The parent organization's Scope of Accreditation for certification activities may be broader than the listing of standards and test methods that appear below. Refer to the parent organization's Scope of Accreditation granted by the SCC for certification activities found at:

Where standards, such as product standards, are listed below, the laboratory is considered accredited only for the testing elements in those standards.
CONSTRUCTION

Construction Materials: (Excluding textile products)

Fasteners and Hardware (See also METAL and ELAS Sections)

ASTM D1761 Testing Mechanical Fasteners in Wood

Fire Resistant

ASTM D1929 Spontaneous Ignition
ASTM D635 Rate of Burning
ASTM E119 Fire Tests of Building Construction and Materials
ASTM E814 Fire Test of Fire Stop Assemblies
ASTM E84 Surface Burning Characteristics of Building Materials
CAN/ULC S101 Fire Endurance Tests of Building Construction and Materials
CAN/ULC S102 Surface Burning Characteristics of Building Materials and Assemblies
CAN/ULC S102.2 Surface Burning Characteristics of Flooring, Covering and miscellaneous Materials and Assemblies
CAN/ULC S104 Standard Method for Fire Tests of Door Assemblies
CAN/ULC S105 Fire Door Frames
CAN/ULC S109 Standard for Flame Tests of Flame Resistant Fabrics and Films
CAN/ULC S112 Standard Method of Fire Tests of Fire Damper Assemblies
CAN/ULC S114 Test for Non-Combustibility
CAN/ULC S115 Standard Method of Fire Tests of Fire Step Systems
CAN/ULC S124 Evaluation of Protective Coverings for Foam Plastics
CAN/ULC S126 Standard Method of Test for Fire Spread Under Roof-Deck Assemblies
CAN/ULC-S107 Methods of Fire Tests of Roof Coverings
CAN4 S106 Standard Method for Fire Test of Window and Glass Block Assemblies

Insulating Materials

ASTM C203 Flexural Strength
Except for: procedure C
ASTM D1621 Compressive Strength
ASTM D1623 Tensile Strength
ASTM D2842 Water Absorption
Plumbing Products (See also ELAS,METAL and NONMETAL Sections)

ASME A112.19.2/CSA-B45.1 Ceramic Plumbing Fixtures
ASME A112.19.3/CSA-B45.4 Stainless Steel Plumbing Fixtures
ASME A112.19.7/CSA-B45.10 Hydromassage Bathtubs Systems
CSA B181.1 Abs Drain, Waste, and Vent Pipe and Pipe Fittings
CSA B181.2 PVC Drain, Waste, and Vent Pipe and Pipe Fittings
CSA B182.1 Plastic Drain and Sewer Pipe and Pipe Fittings
   Except for: 6.18 Carbon Black Dispersion
CSA B182.2 PVC Sewer Pipe and Fittings (PSM Type)
CSA B182.4 Profile PVC Sewer Pipe and Fittings
CSA B182.8 Profile polyethylene (PE) storm sewer and drainage pipe
   and fittings
CSA B45.0 General Requirements for Plumbing Fixtures
   Except for: Cl. 15.4, Corrosion Resistance Test
CSA B45.11 Glass Lavatories
IAPMO Z124.CSA-B45.5 Plastic plumbing fixtures
   Except for: Cl. 5.12 Cleanability and Wear Tests
   Cl. 5.25.1 Resistance to Fungi and Bacteria Growth

Roof Coverings

ASTM C170 Test Method of Compressive Strength of Dimensioned Stone
ASTM C97 Test Method of Absorption and Bulk Specific Gravity of Dimensioned Stone
ASTM C99 Test Method of Modulus of Rupture of Dimensioned Stone
ASTM D3161 Test Method for Wind Resistance of Asphalt Shingles
ASTM D3909 Specification for Asphalt Roll Roofing (Glass Mat) Surfaced with Mineral Granules
ASTM D395 Rubber Property Compression Set Method B
ASTM D412 Rubber Properties in Tension
ASTM D4601 Specification for Asphalt Coated Glass Fibre Base Sheet used in Roofing
ASTM D573 Rubber Deterioration in an Air Oven
ASTM E661 Test Method for Performance of Wood and Wood-Based Floor and Roof Sheathing under Concentrated Static and Impact Loads
CAN/CGSB 37-50 Asphalt, Rubberized, Hot Applied, for Roofing and Waterproofing
   Except for: Core Penetration, Flash Point
CAN/CGSB 37-52 Roofing and Waterproofing Membrane, Sheet Applied Elastomeric
   Except for: ASTM D3041 Ozone Resistance
Standards Council of Canada Accredited Laboratory No. 54

CAN/CGSB 37-54  Roofing and Waterproofing Membrane Sheet Applied Flexible Polyvinyl Chloride
Except for: ASTM D3041 Ozone Resistance
CAN/CGSB 37-58  Membrane, Elastomeric, Cold Applied Liquid, for Non-Exposed use in roofing and Waterproofing
CAN/CGSB-51.32 Sheathing, Membrane, Breather Type
CAN/CGSB-51.33 Vapour Barrier Sheet for use in Building Construction
CGSB 37-GP-56M Standard for Membrane, Modified Bituminous, Prefabricated and Reinforced for Roofs
CGSB 37-GP-64M Mat Reinforcing Fibrous Glass, for Membrane Waterproofing Systems and Built Up Roofing
CGSB 37-GP-70M Mat Reinforcing Fibrous Glass, for Membrane Waterproofing Systems and Built Up Roofing
CSA A123.1  Asphalt Shingles Surfaced with Mineral Granules
CSA A123.3  Asphalt Shingles made with Glass Felt and Surfaced with Mineral Granules
CSA A123.5  Asphalt Shingles made with Glass Felt and Surfaced with Mineral Granules
CSA A220 Series  Concrete Roof Tiles (A220.0 sections 6 & 7 only and A220.1 section 6 only)
UL 2218  UL Standard for Safety Impact Resistance of Prepared Roof Covering Materials

(Thermal Insulation)

CAN/ULC S701  Thermal Insulation, Polystyrene, Boards and Pipe Covering
Except for: ASTM D2863 Limiting Oxygen Index
CAN/ULC S702  Standard for Mineral Fibre Thermal Insulation for Buildings
Except for: ULC S109-95 Basket Method
CAN/ULC S703  Standard for Cellulose Fibre Insulation
Except for: corrosion tests,
ASTM C1338 Fungal resistance,
ASTM G-1 Preparing, Cleaning and Evaluating Corrosion Test Specimens
ULC S130 Cigarette Test for Smoldering Resistance
Embedded Electric Radiant Panel Test (HWC)
CAN/ULC S704  Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced
Except for: CAN/ULC S770-00 Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams
ULS S774 Volatile Organic Emissions*
Wall Coverings (See also FIBRE, WOOD and ELAS Sections)

ASTM C1185 Standard Test methods for Sampling and Testing
Non-Asbestos Fiber-Cement Flat Sheet, Roofing and
Siding Shingles, and Clapboards
ASTM C1186 Standard Specification for Flat Non-Asbestos
Fiber-Cement Sheets
ASTM C473 Test Methods for Physical Testing of Gypsum Panel
Products

(Curtain Walls)

AAMA 501 Methods of Tests for Exterior Walls
AAMA 501.1 Full Scale Dynamic Wind Test
AAMA 501.4 Full Scale Seismic Racking
AAMA 501.5 Test Method For Thermal Cycling Of Exterior Walls
AAMA 501.6 Recommended Dynamic Test Method for Determining
the Seismic Drift Causing Glass Fallout From a Wall
System
AAMA 508 Pressure Equalized Rain Screen Wall
ASTM E783 Air Exfiltration for Doors/Windows, Field Test

(Wall Systems)

ANSI/APA PRS 610.1 Standard for Performance-Rated Structural Insulated
Panels in Wall Applications
CAN/ULC-S716.1 Standard for Exterior Insulation and Finish Systems
(EIFS) Materials and Systems
CAN/ULC-S717-1 Standard for Flat Wall Insulating Concrete Form (ICF)
Units

Windows and Doors (See also ELAS, METAL, NONMET and WOOD Sections)

AAMA/WDMA/CSA NAFS Windows and Skylights
101/L.S.2/A440 Except for: Section 10.12
ASTM E1105 Standard Test Method for Field Determination of Water
Penetration of Installed Exterior Windows, Skylights,
Doors, and Curtain Walls, by Uniform or Cyclic Static
Air Pressure Difference
Windows, Curtain Walls, Doors and Impact Protective
Systems Impacted by Windborne Debris in Hurricanes
ASTM E2068 Standard Test Method for Determination of Operating
Force of Sliding Windows and Doors
ASTM E283

SCOPE OF ACCREDITATION
Test for Rate of Leakage through Exterior Windows, Curtain Wall and Doors

ASTM E330 Test for Structural Performance of Exterior Windows, Curtain Walls and Doors

ASTM E331 Test for Water Penetration of Exterior Windows, Curtain Walls and Doors

ASTM E547 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference

ASTM E72 Conducting Strength Test of Panels for Building construction


CAN2-12.1 Glass, Safety, Tempered or Laminated

CGSB 63-GP-14M Plastic Skylights

CGSB 82.1 Doors, Sliding Patio

CGSB 82.5 Insulated Steel Doors

CSA A440 Windows

Except for:

Section 10.12 CSA A440.2 Energy Performance of Windows and Other Fenestration Systems

CSA Z240.8.1 Light Duty Windows

ELASTOMERS AND PROTECTIVE AND OTHER COATINGS

Plastics: Resins and Rubbers:

(Plastic, Parts and Products)

ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus

ASTM C273 Shear Test in Flatwise Plane of Flat Sandwich Construction or Sandwich Cores

ASTM C297 Test Method for Tensile Strength of Flat Sandwich Constructions in Flatwise Plane

ASTM C666 Test Method for Resistance of Concrete to Rapid Freezing and Thawing

ASTM D2412 External Loading Properties of Plastic Pipe by Parallel-Plate Loading

ASTM D2444

SCOPE OF ACCREDITATION
**Impact Resistance of Thermoplastic Pipe and Fittings by means of a Tup**

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<td>ASTM D618</td>
<td>Conditioning Plastics and Electrical Insulating Materials for Testing</td>
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<td>ASTM D638</td>
<td>Tensile Properties of Plastics Except for: modulus-of-elasticity and low-extension measurements</td>
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<td>ASTM D732</td>
<td>Shear Strength of Plastics by Punch Tool</td>
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<td>ASTM D790</td>
<td>Flexural Properties of Plastics and Electrical Insulating Materials Only for: semi-rigid and rigid plastics</td>
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<td>ASTM D792</td>
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<td>Thickness-Density of Sprayed Fire Resistive Materials Applied to Structural Members</td>
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<td>ASTM G153</td>
<td>Practice for Operating Light and Water Apparatus (Carbon Arc Type) for Exposure of Non-Metallic Materials</td>
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<td>ASTM G154</td>
<td>Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials</td>
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<td>ASTM G155</td>
<td>Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials</td>
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**(Strength of Material)**

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<td>Tension Test of Flat Sandwich Construction in Flat Wise Plane</td>
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<td>Test for Brittleness temperature of Plastic Film by Impact</td>
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<td>ASTM D2126</td>
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<td>ASTM D570</td>
<td>Test for Water Absorption of Plastics</td>
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<tr>
<td>ASTM D751</td>
<td>Testing Coated Fabrics Except for: Hydrostatic resistance, Adhesion coating (to fabrics), and Tack tear resistance</td>
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<td>ASTM D828</td>
<td>Method of test for Tensile Breaking Strength of Paper and Paperboard</td>
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<td>ASTM D882</td>
<td>Tensile Properties of Thin Plastic Sheeting</td>
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<tr>
<td>ASTM E96</td>
<td>Methods for Measuring Water Vapour Transmission of Materials in Sheet Form</td>
</tr>
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**ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS**
All types of Electrical and Electronic Products

Components and Assemblies:

Electrical Appliances:

Cooking and Liquid Heating

Heating, Refrigerating and Air Conditioning

CSA C22.2 No. 3  Electrical Features of Fuel Burning Equipment

Lighting and Fixtures

CSA C22.2 No. 250.0  Luminaires Second Edition; General Instructions No1; UL 1598
Except for: 16.6 Hi-Current Resistance Test

CSA C22.2 No. 89  Swimming Pool Luminaries, Submersible Luminaries and Accessories

CSA C22.2 No. 9  Luminaries

Miscellaneous Electrical Appliances (Specify)
(Spas, Hot Tubs and Associated Equipment)

(Equipment Miscellaneous)

CSA C22.2 No. 0.4  Bonding and Grounding of Electrical Equipment

CSA C22.2 No. 107.1  General use Power Supplies
Except for: Section 9 Static Transfer Switches
Clause 15.3.5 Anti-Ilanding, Clause 17.3

CSA C22.2 No.101  Electrical Heated Beddings Appliances for Household Use

(Spas, Hot Tubs and Associated Equipment)

CSA C22.2 No. 218.1  Spas, Hot Tubs and Associated Equipment

CSA C22.2 No. 218.2  Hydromassage Bathtub Appliances

Motor Operated Electrical Appliances

CSA C22.2 No. 108  Liquid Pumps

CSA C22.2 No. 164  Dry Sauna Heaters

CSA C22.2 No. 247  Operators and Systems of Doors, Gates, Draperies and Louvres
Except for: Clause 6.11
Clause 5.7.3.2

IEC 60335-1
(CAN/CSA E60335-1)
Household and Similar Electrical Appliances - Safety -
Part 1. General Requirements
Except for: Section 31 - Resistance to rusting
Section 32 Radiation, toxicity and similar hazards
Annex B - Appliances powered by rechargeable batteries
that are recharged in the appliance
Annex F Capacitors
Annex H Switches
Annex J Coated printed circuit boards
Annex N Proof Tracking test
Annex R Software evaluation

IEC 60335-2-24
(CAN/CSA-C22.2 60335-2-24)
Particular requirements for refrigerating appliances,
icce-cream appliances and ice-makers
Except for: Clauses:
21.101
22.116
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Annex BB Method for accumulation of frost

IEC 60335-2-29
(CAN/CSA-E60335-2-29)
Particular requirements for battery chargers
Except for: Clauses:
21.102
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IEC 60335-2-3
(CAN/CSA-E60335-2-3)
Particular requirements for electric irons
Except for: clauses 31 & 32

IEC 60335-2-43
(CAN/CSA-E60335-2-43)
Particular requirements for clothes dryers and towel rails
Except for: clauses 31 & 32

IEC 60335-2-53
(CAN/CSA-E60335-2-53)
Sauna Rooms
Except for: clauses 31 & 32

IEC 60335-2-17
Particular requirements for blankets, pads and similar
flexible heating appliances
Except for: Clauses:
21.107
21.109
21.110.1
21.111.1
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31
32

IEC 60335-2-60
Whirlpool Spas
Except for: Clauses 31 & 32

Equipment, Miscellaneous

Enclosures

SCOPE OF ACCREDITATION
CSA C22.2 No. 18.2 Nonmetallic Outlet Boxes

**Materials:**

**Plastics**

CSA C22.2 No. 0.17 Flammability testing of Polymeric Materials
Except for:
Clauses 4.3.2, 4.3.3, 4.3.4, 5.2, 5.8.3, 6.5 and 7

**Motors, Generators, and Machines:**

CSA C22.2 No. 100 Suspended: 2013-05-30 Motors and Generators
(Voluntary Suspension)
Except for: clause 9, 10 & 12

CSA C22.2 No. 77 Motors with Inherent Overheating Protection Single Phase 280V max, 60A

**Scientific Instruments: (For biological, chemical electrical, mechanical optical and physical examination)**

CAN/CSA-C22.2 No.601-1 Medical Electrical Equipment Part 1: General Requirements for Safety
Except for: category AP and APG equipment, Laser, High Frequency Radiation, defibulation, flammable anesthetic gas, Electromagnetic Compatibility, Acoustic Energy, Biocompatibility

Except for: Section 5 (radiation), Section 6 (Flammable Anesthetic Mixtures)

IEC 60950-1 Information Technology Equipment - Safety - Part 1: General Requirements

IEC 61010-1 Safety Requirements for Electrical Equipment for Measurement, control, and Laboratory use - Part 1. General Requirements
Except for: Section 12 Protection against Radiation, Including Laser Sources, and against Sonic and Ultrasonic Pressure
Section 13 Protection against Liberated Gases, Explosion and Implosion.

SCOPE OF ACCREDITATION
NON METALLIC MINERALS AND PRODUCTS

WOOD PRODUCTS

Construction Materials: (Including for Furniture)

Panel Products (Except Plywood)

ASTM D1037  Standard Test Methods for Evaluating Properties of
Wood Base Fiber and Particle Panel Materials
ASTM D2898  Standard Practice for Accelerated Weathering of
Fire-Retardant Treated Wood
CSA O325    Construction Sheathing

Wood Products, General

ASTM D143   Standard Test Methods for Small Clear Specimens of
Timber
Except for: Impact Bending Test, Toughness Test
ASTM D198   Standard Test Methods of Static Tests of Lumber in
Structural Sizes
Except for: Torsion Tests
ASTM D5055  Standard Specification for Establishing and Monitoring
Structural Capacities of Prefabricated Wood I Joists
ASTM D5456  Standard Specification for Evaluation of Structural
Composite Lumber Products
Except for: ASTM D6815

Notes:

ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories
(ISO/IEC 17025-2005)
RG-ONSITE: SCC Requirements and Guidance for The Accreditation of Testing and Calibration
Laboratories Performing On-Site Testing and Calibrations
ASTM: American Society of Test Methods
ANSI: American National Standards Institute/ANSI
CSA: Canadian Standards Association
CAN/ULC: Underwriters Laboratories of Canada
CAN/CGSB: Canadian General Standards Board
Standards Council of Canada Accredited Laboratory No. 54

Elias Rafoul, Vice President
Accreditation Services

Date: 2018-05-24

Number of Scope Listings: 155
SCC 1003-15/74
Partner File #0
Partner: None