

**Miami-Dade County, Florida**

Building Code Compliance Office

Suite 1603

140 West Flagler Street

Miami, Florida 33130-1563

(305) 375-2901

Fax (305) 375-2908

**Lab Certificate**



*This certifies that Bodycote Testing Group Americas Inc. located at 2395 Speakman Drive, Mississauga, ON L5K 1B3, Canada is an approved Testing Laboratory in accordance with Miami-Dade County Building Code Compliance and Protocol TAS301-94, and is Certified to perform the following tests:*

Standard Council of Canada Certificate No. 1

*Results of the above mentioned test shall be properly submitted to the Miami-Dade County Building Code Compliance Office per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:*

Doug McDougall, P.E.

***This Certification and Registration Approved: November 20, 2008***

***This Certification and Registration Expires : November 20, 2013***

***Certification No. : 08-0610.04***

A handwritten signature in black ink, appearing to read "Jaime D. Gascon", written over a horizontal line.

Jaime D. Gascon, P.E.

Chief

Product Control Division

A handwritten signature in black ink, appearing to read "Americo Segura", written over a horizontal line.

Americo Segura

Senior Quality Assurance Inspector

Product Control Division

*The Miami-Dade County Building Code Compliance Office reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.*

## SCOPE OF ACCREDITATION

**BODYCOTE MATERIALS TESTING CANADA INC. – MISSISSAUGA LABORATORY**  
**2395 Speakman Drive**  
**Mississauga, ON**  
**L5K 1B3**

Accredited Laboratory No. 1  
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

CONTACT: Ms. Lisa Kane  
TEL: (905) 822-4111 Ext. 325  
FAX: (905) 823-1446  
EMAIL: kane.l@bodycote.ca

CLIENTS SERVED: All interested parties

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

ISSUED ON: 2007-11-15

VALID TO: 2010-06-01

### **CHEMICALS AND CHEMICAL PRODUCTS**

#### **Chemical Compounds: (not elsewhere specified)**

#### **Petrochemicals Products:**

#### **Petrochemical Products**

##### **Liquids**

ASTM D1308 Standard Test Method for Effect of Household Chemicals on  
Clear and Pigmented Organic Finishes

ASTM D1309 Standard Test Method for Settling Properties of Traffic  
Paints During Storage

ASTM E659 Test Method for Autoignition Temperature of Liquid  
Chemicals

CLP1-01	Causticity Titrated with 1.0 M HCl
CLP1-02	Sodium Hydroxide Titrated with 1.0 M HCl
CLP1-03	Acidity Analyses Titrated with 1.0 M NaOH
CLP1-04	Ferris Ferric Chloride Analysis Titrated with 0.1 M Sodium Thiosulphate
CLP1-05	Free Potassium Cyanide Titrated with 0.1 M Silver Nitrate
CLP1-06	Causticity Titrated with 0.5 M Sulphuric Acid
CLP1-07	DG Kleen Titrated with 0.05 M Sulphuric Acid
CLP1-08	Total Chromic Acid Titrated with Ferrous Ammonium Sulphate & Potassium Dichromate
CLP1-09	Potassium Permanganate Titrate with 0.1 M Ferrous Ammonium Sulphate & Back-Titrated with 0.1 M Potassium Permanganate
CLP1-10	Sulphate Analyzed Using the Kocour Method
CLP1-11	pH of Paint/Carbon Stripper – Kemsol-556
CLP1-12	pH of Various Tanks
CLP1-13	Corrosion Safety of Stripping Tanks
CLP1-14	Chloride Analyzed by Gravimetry
CLP2-01	Causticity Titrated with 1.0 M HCl
CLP2-02	Acidity Titrated with 1.0 M NaOH
CLP2-03	Titrations with 0.1 M Sodium Thiosulphate
CLP2-04	Potassium Cyanide Titrated with 0.1 M Silver Nitrate
CLP2-05	Cadium & Combine Potassium Cyanide Titrated with 0.05 M EDTA
CLP2-06	Nickel Metal & Chloride Titrated with 0.05 & 0.1 M EDTA
CLP2-07	Cobalt Sulphate*7(H <sub>2</sub> O) Titrated with 0.1 M EDTA
CLP2-08	Silver Cyanide Titrated with 0.1 M Sodium Thiocyanite
CLP2-09	Acidity Titrated with 0.2 M Sodium Hydroxide
CLP2-10	Causticity Titrated with 0.5 & 0.05 M Sulphuric Acid
CLP2-11	Total Chromic Acid Titrated with Ferrous Ammonium Sulphate & Potassium Dichromate
CLP2-12	Iron Titrated with 0.1 M Potassium Permanganate
CLP2-13	Sulphate Analyzed Using the Kocour Method

## **CONSTRUCTION**

### **Construction Materials**

ASTM C473	Standard Test Methods for Physical Testing of Gypsum Panel Products
ASTM D1623	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
ASTM D2126	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
ASTM D2842	Standard Test Method for Water Absorption of Rigid

	Cellular Plastics
ASTM D4216	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) And Related PVC and Chlorinated Poly (Vinyl Chloride) (CPVC) Building Products Compounds
ASTM D4226	Standard Test Methods for Impact Resistance of Rigid Poly (Vinyl Chloride) (PVC) Building Products
ASTM D6109	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastic Lumber
ASTM D648	Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position
ASTM D6662	Standard Specification for Polyolefin Based Plastic Lumber Decking Boards
ASTM E1354	Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
ASTM E196	Gravity Load Testing of Floors and Flat Roofs
ASTM E455	Static Load Testing of Floor or Roof Diaphragm Constructions for Buildings
ASTM E529	Conducting Flexural Tests on Beams and Girders for Building Construction
ASTM E564	Static Load Test for Shear Resistance of Framed Walls for Buildings
ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
ASTM E73	Static Load Test of Truss Assemblies
ASTM E84	Test Method for Surface Burning Characteristics of Building Materials
ASTM E894	Standard Test Method for Anchorage of Permanent Metal Railing Systems and Rails for Buildings
ASTM E935	Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings
ASTM E96	Standard Test Methods for Water Vapor Transmission of Materials
ASTM E987	Standard Test Methods for Deglazing Force of Fenestration Products
ASTM F970	Standard Test Method for Static Load Limit
CAN/CSA S16.1	Limit States Design of Steel Structures
CAN/CSA-S269.2	Access Scaffolding for Construction Purposes
CAN/ULC-S102-M	Test Method for Surface Burning Characteristics, of Building Materials and Assemblies
CSA A370	Connectors for Mansory
CSA S136	North American Specification for Design of Cold-Formed Steel Structural Members
CSSBI 12M	Standard for Composite Steel Deck
CSSBI S2	Criteria for the Testing of Composite Slabs
CSSBI S5	Guide Specification for Wind Bearing Steel Studs
ULC-S127	Standard Corner Wall Method of Test for Flammability Characteristics of Non-melting Building Materials

**(Concrete)**

ASTM C1185	Standard Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards
ASTM C1396	Standard Specification for Gypsum Board
ASTM C140	Standard Test Methods of Sampling and Testing Concrete Masonry Units
ASTM C293	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)
ASTM C297	Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions
ASTM C39	Standard Test Method for Compressive Strength for Cylindrical Concrete Specimens
ASTM C947	Standard Test Method for Flexural Properties of Thin-Section Glass-Fiber-Reinforced Concrete (Using Simple Beam With Third-Point Loading)

**(Fire and Flammability)**

ASTM D3675	Test Method for Surface Flammability of Flexible Cellular Materials, Using a Radiant Heat Energy Source
ASTM D3806	Standard Test Method for Small-Scale Evaluation of Fire Retardant Paints (2-Foot Tunnel Method)
California TB 129	Flammability Test Procedure for Mattresses for use in Public Buildings
California TB 603	Requirements and test procedure for resistance of a mattress/box spring set to a large open flame
CAN/CGSB 155.20	Workwear Protection Against Hydrocarbon Flash Fire
CAN/CGSB-4.2 No. 78.1	Thermal Protective Performance of Materials for Clothing
CAN/ULC-S102.2-M	Surface Burning Characteristics, Steiner Tunnel Insulating Materials
ULC-S127-M	Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Building Materials

**Floor Coverings (See also FIBRE, METAL, ELAS and WOOD Sections)**

(GSA-FSS) Fed. Spec. L-F-475a	Floor Covering Vinyl, Surface (Tile and Roll), with Backing
ASTM C1029	Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation
ASTM C1338	Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
ASTM C1353	Standard Test Method Using the Taber Abraser for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic
ASTM C991	Standard Specification for Flexible Glass Fiber Insulation for Metal Buildings

ASTM D1037	Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
ASTM E648 and NFPA 253	Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
ASTM F1066	Standard Specification for Vinyl Composition Floor Tile
ASTM F1303	Standard Specification for Sheet Vinyl Floor Covering with Backing
ASTM F1344	Standard Specification for Rubber Floor Tile
ASTM F137	Standard Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus
ASTM F1700	Standard Specification for Solid Vinyl Floor Tile
ASTM F386	Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces
CAN/CGSB-41.24	Rigid Vinyl Siding, Soffits and Fascia
CAN/CGSB-51.29	Phenolic Thermal Insulation for Pipes and Ducts
CAN/CGSB-51.38	Cellular Glass Thermal Insulation
CAN/CGSB-51.40	Flexible, Elastomeric, Unicellular Thermal Insulation, Sheet and Pipe Covering
CAN/ULC-S124-M	Standard Method of Test for the Evaluation of Protective Coverings for Foamed Plastic
CAN2-51.31-M	Thermal Insulation, Mineral Fibre Board for Above Roof Decks
CSA A126.3-M	Sheet Vinyl Flooring Products
Fed. Spec. L-F-001641	Floor Covering Translucent or Transparent Vinyl Surface Backing
MIL-STD-810D(Method 508.1)	Environmental Test Methods and Engineering Guidelines (Fungi Resistance)
ULC/ORD-C263.5	Requirements for Exterior Insulation and Finish Systems

### **Insulating Materials**

#### **(Cellulosic Fibre)**

ASTM C1289	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
ASTM C209	Standard Test Methods for Cellulosic Fiber Insulating Board
ASTM C534	Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form
ASTM C547	Standard Specification for Mineral Fiber Pipe Insulation
ASTM C578	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation
ASTM C591	Standard Specification for Unfaced Preformed Rigid Cellular Polyisocyanurate Thermal Insulation
CAN/CSA A247-M	Insulating Fibreboard

#### **(Loose Fill Insulation)**

ASTM C516	Standard Specification for Vermiculite Loose Fill Thermal Insulation
ASTM C520	Standard Test Methods for Density of Granular Loose Fill Insulations
ASTM C533	Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation
CAN/ULC-S706	Standard for Wood Fibre Thermal Insulation for Buildings
CAN/ULC-S770	Standard Test Method for Determination of Long Term Thermal Resistance of Closed Cell Thermal Insulating Foams

**(Mineral Fibre)**

ASTM C1104/C1104M	Standard Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation
ASTM C553	Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
ASTM C612	Standard Specification for Mineral Fiber Block and Board Thermal Insulation
ASTM C653	Standard Guide for Determination of the Thermal Resistance of Low-Density Blanket-Type Mineral Fiber Insulation
ASTM C665	Standard Specification for Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing
ASTM C686	Standard Test Method for Parting Strength of Mineral Fiber Batt- and Blanket-Type Insulation
ASTM C687	Standard Practice for Determination of Thermal Resistance of Loose-Fill Building Insulation
ASTM C726	Standard Specification for Mineral Fiber Roof Insulation Board
ASTM C764	Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation
CAN/ULC-S702	Standard for Mineral Fibre Thermal Insulation for Buildings Except for: corrosion

**(Organic Cellular)**

CAN/ULC-S701	Standard for Thermal Insulation, Polystyrene, Boards and Pipe Coverings Except for: Measurements of emissions
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**(Thermal Insulating Materials)**

ASTM C1382	Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation and Finish Systems (EIFS)
ASTM C1511	Standard test method for water repellency of fibrous glass insulation

ASTM C1559	Standard test method for wicking of glass fiber aircraft type, procedure A
ASTM C203	Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
ASTM C302	Standard Test Method for Density and Dimensions of Preformed Pipe-Covering-Type Thermal Insulation
ASTM C303	Standard Test Method for Dimensions and Density of Preformed Block-Type Thermal Insulation
ASTM C421	Standard Test Method for Tumbling Friability of Preformed Block-Type Thermal Insulation
ASTM C446	Standard Test Method for Breaking Load and Calculated Modulus of Rupture of Preformed Insulation for Pipes
ASTM C447	Standard Practice for Estimating the Maximum Use Temperature of Thermal Insulations
ASTM C610	Standard Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation
ASTM C656	Standard Specification for Structural Insulating Board, Calcium Silicate
ASTM E2098	Standard Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing Mesh for Use in Class PB Exterior Insulation and Finish Systems (EIFS), after Exposure to a Sodium Hydroxide Solution
CAN/CGSB 51.26-M86	Thermal Insulation Urethane and Isocyanurate, Boards, Faced
CAN/CSA-A247-M	Insulating Fibreboard
CAN/ULC S710.1	Standard for thermal insulation – bead applied one component polyurethane air sealant foam PART 1
CAN/ULC S710.2	Standard for thermal insulation – bead applied one component polyurethane air sealant foam PART 2
CAN/ULC S711.1	Standard for thermal insulation – bead applied two components polyurethane air sealant foam PART 1
CAN/ULC S711.2	Standard for thermal insulation – bead applied one component polyurethane air sealant foam PART 2

**(Thermal Properties)**

ASTM C1101/C1101M	Standard Test Methods for Classifying the Flexibility or Rigidity of Mineral Fiber Blanket and Board Insulation
ASTM C165	Standard Test Method for Measuring Compressive Properties of Thermal Insulations
ASTM C167	Standard Test Methods for Thickness and Density of Blanket or Batt Thermal Insulations
ASTM C335	Standard Test Method for Steady-State Heat Transfer Properties of Horizontal Pipe Insulation
ASTM C356	Standard Test Method for Linear Shrinkage of Preformed High-Temperature Thermal Insulation Subjected to Soaking Heat
ASTM C411	Standard Test Method for Hot-Surface Performance of

	High-Temperature Thermal Insulation
ASTM C518	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM C550	Standard Test Method for Measuring Trueness and Squareness of Rigid Block and Board Thermal Insulation
CAN/ULC-S703	Standard for Cellulose Fibre Insulation (CFI) For Buildings Except for: corrosion
CAN/ULC-S704	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced Except for: measurements of emissions
CAN/ULC-S705.1	Standard for Thermal Insulation-Spray Applied Rigid Polyurethane Foam, Medium Density, Material-Specification Except for: measurements of emissions
CAN/ULC-S770	Standard Test Method for Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams
CAN/ULC-S774	Standard Laboratory Guide for the Determination of Volatile Organic Compound Emissions from Polyurethane Product
US MIL-I-278IF	Insulation, Pipe, Thermal

#### **(Vapor Barriers – Polyethylene Sheet)**

CAN/CGSB 51.33-M	Vapour Barrier Sheet for Use in Building Construction Except for: Polyethylene
CAN/CGSB 51.34-M	Vapour Barrier, Polyethylene Sheet for Use in Building Construction Except for: 5.7 Oxidative Induction Time

#### **Miscellaneous Construction Materials**

AAMA 508	Voluntary Test Method and Specification for Pressurized Equalized Rain Screen Wall Cladding Systems
AAMA Metal Curtain Wall	Section 1 for the following tests: Only for: Wind Loads Dead Loads Uniform Structural Loads Air Leakage Water Penetration Water Spray Test Without Air Pressure Difference
ANSI/SAE Z26.1	American National Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways – Safety Standard
APA S-2	Sheathing and Sturd-I-Floor Performance under Uniform Loads

**(Asphaltic Coatings, Membranes – Waterproofing Materials)**

37–GP–52M	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric
37–GP–54M	Roofing and Waterproofing Membrane, Sheet Applied, Flexible, Polyvinyl Chloride
37–GP–56M	Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing Except for: 7.2.6 Thermal Stability 7.2.10 Granule Embedment
37–GP–58M (86)	Membrane, Elastomeric, Cold–Applied Liquid, for Non–Exposed Use in Roofing and Waterproofing
ASTM D4073	Standard Test Method for Tensile–Tear Strength of Bituminous Roofing Membranes
ASTM D4434	Standard Specification for Poly(Vinyl Chloride) Sheet Roofing
ASTM D5147	Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material
ASTM E96	Water Vapor Transmission of Materials
CAN/CGSB 37.54–M95	Polyvinyl Chloride Roofing and Waterproofing Membrane
CAN/CGSB 37.58–M86	Membrane, Elastomeric, Cold–Applied Liquid, for Non–Exposed Use in Roofing and Waterproofing
CAN/CGSB–51.32	Sheathing Membrane, Breather Type

**Wall Coverings (See also FIBRE, WOOD and ELAS Sections)**

**(Siding, Sheathing and Cladding Materials – Plaster)**

ASTM C79	Standard Specification for Gypsum Sheathing Board
CAN/CSA–A82.20.1–M	Chemical Analysis of Gypsum and Gypsum Products
CAN/CSA–A82.20.2–M	Physical Testing of Gypsum and Gypsum Plasters
CAN/CSA–A82.20.3–M	Physical Testing of Gypsum Board
CAN/CSA–A82.27M	Sheathing, Vinyl Faced, Water Resistant Wallboard

**(Solar and Weathering)**

ASTM D1149	Standard Test Method for Rubber Deterioration–Surface Ozone Cracking in a Chamber
ASTM D1171	Standard Test Method for Rubber Deterioration–Surface Ozone Cracking Outdoors or Chamber (Triangular Specimens)
ASTM D1499	Standard Practice for Filtered Open–Flame Carbon–Arc Exposures of Plastics
ASTM D2247	Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity
ASTM D2565	Standard Practice for Xenon–Arc Exposure of Plastics Intended for Outdoor Applications

ASTM D4459	Standard Practice for Xenon–Arc Exposure of Plastics Intended for Indoor Applications
ASTM D4798	Standard Test Method for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Xenon–Arc Method)
ASTM D518	Standard Test Method for Rubber Deterioration–Surface Cracking
ASTM G152	Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
ASTM G153	Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
ASTM G154	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
ASTM G155	Standard Practice for Operating Xenon–Arc Light Apparatus for Exposure of Non–Metallic Materials
ASTM G53	Standard Practice for Operating Light– and Water–Exposure Apparatus (Fluorescent UV–Condensation Type) for Exposure of Nonmetallic Materials (Discontinued 2000) Replaced by G154
JIS D0205	Test Method for Weatherability of Automotive Parts
SAE J1885	Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Water Cooled Xenon–Arc Apparatus
SAE J1960	Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Water–Cooled Xenon–Arc Apparatus

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

82–GP–3M	Doors, Aluminum, Combination Storm and Screen
82–GP–4M	Doors, Steel, Combination Storm and Screen
AAMA/NWWDA–101/1.S.2.97	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors
ASTM E1017	Generic Performance Requirements for Exterior Residential Window Assemblies
ASTM E1233	Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Cyclic Air Pressure Differential and Doors by Cyclic Air Pressure Differential
ASTM E1424	Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure and Temperature Differences Across the Specimen
ASTM E283	Standard Test Method for Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors under Specified Pressure Differences across the Specimen
ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air

	<b>Pressure Difference</b>
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Static Air Pressure Difference
ASTM E547	Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Cyclic Air Pressure Differential
ASTM E783	Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors
ASTM E997	Structural Performance of Glass in Exterior Windows, Curtain Walls and Doors Under the Influence of Uniform Static Loads by Destructive Methods
ASTM F1233	Resistance to Forced Entry of Security Glazing Systems
ASTM F588	Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies Except for: Glazing Impact
ASTM F842	Standard Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies Except for: Glazing Impact
CAN/CGSB-12.5-M	Mirrors, Silvered
CAN/CGSB-82.1-M	Sliding Doors
CAN/CGSB-82.5-M	Insulated Steel Doors
CAN/CGSB-82.6-M	Doors, Mirrored Glass, Sliding or Folding, Wardrobe
CAN/CSA-A440	Windows
CAN/CSA-A440.2	Energy Performance Evaluation of Windows and Other Fenestration Systems Except for: Section 5.2: Determination of U-Value by Measurement
JIS A 4706	Windows Wind Pressure Resistance (in accordance with JIS A 1515) Air Tightness (in accordance with JIS A 1516) Water Tightness (in accordance with JIS A 1517)
JIS K 6785	Profiles for Rigid Polyvinyl Chloride (PVC) Window
NAFS-1	Voluntary Performance Specification for Windows, Skylights and Glass Doors

**(Air Vapour Testing)**

Bodycote SOP 93-J53-SP-013 Air Barrier Testing

**(Insulating Glass)**

ASTM C1036	Standard Specification for Flat Glass
ASTM E1887	Standard Test Method for Fog Determination
ASTM E2188	Standard Procedures for the Testing of Sealed Insulating Glass Units

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 E546	Standard Test Method for Frost Point of Sealed Insulation Glass Units
ASTM E576	Frost Point of Sealed Insulating Glass Units
ASTM E773	Seal Durability of Sealed Insulating Glass Units
ASTM E774	Standard Specification for Sealed Insulating Glass Units
BS 5713	Specification for Hermetically Sealed Flat Double-Glazing Units
CAN/ CGSB 12.2-M	Flat, Clear Sheet Glass
CAN/CGSB 12.11-M	Wired Safety Glass
CAN/CGSB 12.13-M	Patterned Glass
CAN/CGSB 12.20-M	Structural Design of Glass for Buildings
CAN/CGSB 12.3-M	Flat, Clear Float Glass
CAN/CGSB-12.8-M	Insulating Glass Units

**(Safety Glass)**

ANSI-Z.97.1	American National Standard for Safety Glazing Material Used in Buildings – Safety Performance Specification and Methods of Test
ASTM C1048	Standard Specifications for Heat Treated Flat Glass – Kind HS, Kind FT, Coated and Uncoated Glass
BS 6206; 81	Specification for Impact Performance for Flat Safety Glass and Safety Plastics for Use in Buildings
CAN/CGSB-12.1-M	Tempered or Laminated Safety Glass
CFR 69	Safety Glazing Standards- Locomotives, Passenger Cars and Caboose
CPSC16/CFR1201	Impact Resistance for Flat Safety Glass for Use in Buildings

**ELASTOMERS AND PROTECTIVE AND OTHER COATINGS**

Plastics, Resins and Rubbers:

**Adhesives (Organic Resins) and Glues:**

**Adhesives**

ASTM D1000	Standard Test Method for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications
ASTM D1084	Standard Test Methods for Viscosity of Adhesives Except for: Test Method A
ASTM D2860/D2860M	Standard Test Method for Adhesion of Pressure-Sensitive Tape to Fiberboard at 90° Angle and Constant Stress

ASTM D897 Standard Test Method for Tensile Properties of Adhesive Bonds

**Paints; Varnishes; Inks; Coatings; and Allied Products:**

**Paints and Protective Coatings**

40 CFR Pt. 60, AppA, EPA Method 24	Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings
ASTM D1003	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
ASTM D1005	Standard Test Method for Measurement of Dry-Film Thickness Of Organic Coatings Using Micrometers
ASTM D1200	Standard Test Method for Viscosity by Ford Viscosity Cup
ASTM D1210	Standard Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage
ASTM D1212	Standard Test Methods for Measurement of Wet Film Thickness of Organic Coatings
ASTM D1331	Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface-Active Agents
ASTM D1475	Standard Test Method for Density of Liquid Coatings, Inks, and Related Products
ASTM D1535	Standard Practice for Specifying Color by the Munsell System
ASTM D1640	Standard Test Methods for Drying, Curing or Film Formation of Organic Coatings at Room Temperature
ASTM D1644	Standard Test Methods for Nonvolatile Content of Varnishes
ASTM D1653	Standard Test Methods for Water Vapor Transmission of Organic Coating Films
ASTM D1729	Standard Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials
ASTM D1849	Standard Test Method for Package Stability of Paint
ASTM D2196	Standard Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield type) Viscometer
ASTM D2197	Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion
ASTM D2243	Standard Test Method for Freeze-Thaw Resistance of Water-Borne Coatings
ASTM D2244	Standard Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates
ASTM D2248	Standard Practice for Detergent Resistance of Organic Finishes
ASTM D2369	Standard Test Method for Volatile Content of Coatings
ASTM D2486	Standard Test Methods for Scrub Resistance of Wall Paints
ASTM D2616	Standard Test Method for Evaluation of Visual Color Difference With a Gray Scale

ASTM D2697	Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings
ASTM D2794	Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
ASTM D2805	Standard Test Method for Hiding Power of Paints by Reflectometry
ASTM D2832	Standard Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings
ASTM D3236	Standard Test Method for Apparent Viscosity of Hot Melt Adhesives and Coating Materials
ASTM D3359	Standard Test Methods for Measuring Adhesion by Tape Test
ASTM D3363	Standard Test Method for Film Hardness by Pencil Test
ASTM D344	Standard Test Method for Relative Hiding Power of Paints by the Visual Evaluation of Brushouts
ASTM D3450	Standard Test Method for Washability of Interior Architectural Coatings
ASTM D3723	
	Standard Test Method for Pigment Content of Water Emulsion Paints by Low Temperature Ashing
ASTM D3924	Standard Specification for Standard Environment for Conditioning and Testing Paint, Varnish, Lacquer, and Related Materials
ASTM D3960	Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings
ASTM D4039	Standard Test Method for Reflection Haze of High-Gloss Surfaces
ASTM D4060	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
ASTM D4212	Standard Test Method for Viscosity of Dip-Type Viscosity Cups
ASTM D4213	Standard Test Method for Scrub Resistance of Paints by Abrasion Weight Loss
ASTM D4400	Standard Test Method for Sag Resistance of Paints Using a Multinotch Applicator
ASTM D4414	Standard Practice for Measurement of Wet Film Thickness by Notch Gages
ASTM D4449	Standard Test Method for Visual Evaluation of Gloss Differences Between Surfaces of Similar Appearance
ASTM D4587	Standard Practice for Fluorescent UV Condensation Exposures of Paint and Related Coatings
ASTM D4707	Standard Test Method for Measuring Paint Spatter Resistance to Roller Application
ASTM D4708	Standard Practice for Preparation of Uniform Free Films of Organic Coatings
ASTM D4828	Standard Test Methods for Practical Washability of Organic Coatings
ASTM D5178	Standard Test Method for Mar Resistance of Organic

CAN/CGSB-1.100	Interior Flat Latex Paint
CAN/CGSB-1.118	Interior Flat Alkyd Finish
CAN/CGSB-1.119	Interior Latex Primer Sealer
CAN/CGSB-1.145	Type 1 & 2 Solvent Based Pigmented Stain
CAN/CGSB-1.175	Polyurethane Interior Coating
CAN/CGSB-1.188	Emulsion Filler for Masonry Block
CAN/CGSB-1.195	Interior Latex Semigloss Paint
CAN/CGSB-1.202	Type 1 & 2 Interior Low Gloss Alkyd Enamel
CAN/CGSB-1.209	Low Sheen Latex Interior Paint
CAN/CGSB-1.210	Quick Drying Alkyd Primer for Structural Steel
CAN/CGSB-1.28	Exterior Alkyd House Paint
CAN/CGSB-1.36	General Purpose Interior Alkyd Varnish
CAN/CGSB-1.38	Interior Enamel Undercoat
CAN/CGSB-1.40	Anticorrosive Structural Steel Alkyd Primer
CAN/CGSB-1.57	Interior Alkyd Semigloss Enamel
CAN/CGSB-1.59	Alkyd Exterior Gloss Enamel
CAN/CGSB-1.60	Interior Alkyd Gloss Enamel
CAN/CGSB-1.61	Exterior and Interior Marine Alkyd Enamel
CAN/CGSB-1.6-162	Type 1 & 2 Emulsion Coating for Stucco and Masonry
CAN/CGSB-1.73	Exterior and Interior Enamel for Floors
CAN/CGSB-1.74	Alkyd Traffic Paint
CGSB 1-GP-71, Method 10.1	Skinning Properties
CGSB 1-GP-71, Method 100.1	Preparation of Steel Panels – Solvent Cleaned, Unabraded
CGSB 1-GP-71, Method 103.1	Drying Conditions – Air Drying
CGSB 1-GP-71, Method 104.1	Abrasion Resistance
CGSB 1-GP-71, Method 106.3	Alkali Resistance – Emulsion Paints
CGSB 1-GP-71, Method 110.1	Water Resistance – General Method
CGSB 1-GP-71, Method 114.1	Cleansability – Paint Films on Unprimed Panels
CGSB 1-GP-71, Method 114.2	Cleansability – Paint Films on Primed Panels
CGSB 1-GP-71, Method 114.3	Cleansability – Asphalt Stain Test
CGSB 1-GP-71, Method 116.2	Scratch Resistance
CGSB 1-GP-71, Method 116.5	Scratch Resistance – Air-Dried Films
CGSB 1-GP-71, Method 119.1	Flexibility – Force Dried Films
CGSB 1-GP-71, Method 119.5	Flexibility – Air-Dried Films
CGSB 1-GP-71, Method 12.8	Colour Uniformity
CGSB 1-GP-71, Method 12.9	Color – Visual Comparison
CGSB 1-GP-71, Method 120.1	Colour Stability – Fading by Light
CGSB 1-GP-71, Method 120.2	Colour Stability – Accelerated Yellowing in Ammonia Atmosphere
CGSB 1-GP-71, Method 120.3	Color Stability Clear Films
CGSB 1-GP-71, Method 122.1	Accelerated Weathering – Selection, Exposure and Examination of Panels
CGSB 1-GP-71, Method 125.1	Scrubbability – Films Applied Directly over Glass (General Procedure)
CGSB 1-GP-71, Method 125.3	Scrubbability – Films Applied over a Primer

- CGSB 1–GP–71, Method 125.4 Scrubbability – Interior Flat Wall Finishes, Emulsion and Alkyd Types
- CGSB 1–GP–71, Method 127.3 Sanding Properties – Dry Sanding
- CGSB 1–GP–71, Method 13.1 Gloss – After 48 hours
- CGSB 1–GP–71, Method 13.2 Gloss – After Seven Days
- CGSB 1–GP–71, Method 13.4 Gloss – Test Panels
- CGSB 1–GP–71, Method 130.3 Behavior Towards Topcoats – Air Drying Primers
- CGSB 1–GP–71, Method 131.2 Behavior Towards Applied Films – General Methods
- CGSB 1–GP–71, Method 134.10 Applicability and Appearance – Enamel Undercoats, Topcoated
- CGSB 1–GP–71, Method 134.12 Applicability and Appearance – Primer–Sealers, Brush and Roller Application
- CGSB 1–GP–71, Method 134.13 Applicability and Appearance – Two Coats on Unsealed Wood
- CGSB 1–GP–71, Method 134.14 Applicability and Appearance – One Coat Sprayed on Bare Steel
- CGSB 1–GP–71, Method 134.18 Applicability and Appearance – One Coat Over Simulated Masonry Surface
- CGSB 1–GP–71, Method 134.20 Applicability and Appearance – Stain on Unsealed Fir Plywood
- CGSB 1–GP–71, Method 134.3 Applicability and Appearance – Enamels on Primed Steel
- CGSB 1–GP–71, Method 134.7 Applicability and Appearance – Paints and Enamels on Sealed Boards, Brush and Roller Application
- CGSB 1–GP–71, Method 134.8 Applicability and Appearance – Primers and Paints on Bare Steel
- CGSB 1–GP–71, Method 134.9 Applicability and Appearance – Enamel Undercoats on Fiberboard Panels
- CGSB 1–GP–71, Method 14.1 Hiding Power
- CGSB 1–GP–71, Method 14.7 Hiding Power Contrast Ratio Method
- CGSB 1–GP–71, Method 143.1 Long–Term Outdoor Performance – Selection, Exposure and Examination of Panels
- CGSB 1–GP–71, Method 15.2 Coarse Particles
- CGSB 1–GP–71, Method 15.5 Coarse Particles in Stucco and Masonry Coatings
- CGSB 1–GP–71, Method 17.1 Volatile Matter – Paints, Enamels and Lacquers
- CGSB 1–GP–71, Method 19.1 Nonvolatile Vehicle – Nonvolatile Vehicle by Difference
- CGSB 1–GP–71, Method 30.3 Accelerated Stability – At 60°C
- CGSB 1–GP–71, Method 31.1 Freeze–Thaw Test
- CGSB 1–GP–71, Method 37.3 Bleeding Resistance
- CGSB 1–GP–71, Method 4.5 Consistency–Stormer Consistency
- CGSB 1–GP–71, Method 45.1 Dilution Stability – General Test
- CGSB 1–GP–71, Method 5–96 Drying Times of Paints and Related Coatings
- CGSB 1–GP–71, Method 69.3 Ash Content of Varnish – Tar–base and Other Coatings
- CGSB 1–GP–71, Method 98.1 Coating of Metal and Glass panels for Test Purposes – General Procedure
- CGSB 1–GP–71, Method 98.2 Coating of Metal and Glass panels for Test Purposes – Panels with One Coat of Material
- CGSB 1–GP–71, Method 98.3

	Coating of Metal and Glass panels for Test Purposes – Panels with Two Coats of the Same Material
CGSB 1–GP–71, Method 98.4	Coating of Metal and Glass panels for Test Purposes – Primed Panels
ISO 2808	Paints and Varnishes – Determination of Film Thickness
ISO 2811–1	Paints and Varnishes – Determination of Density – Part 1: Pycnometer Method
ISO 2813	Paints and Varnishes – Determination of Specular Gloss of Non–Metallic Paint Films at 20 Degrees, 60 Degrees and 85 Degrees
ISO 6272–2	Paints and Varnishes – Rapid–Deformation (Impact Resistance) Tests– Part 2: Falling–Weight Test, Small–Area Indenter

### **Plastics; Resins and Rubbers:**

#### **Plastics**

ASTM C1166	Test Method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories
ASTM C271	Standard Test Method for Density of Sandwich Core Materials
ASTM C273	Standard Test Method for Shear Properties of Sandwich Core Materials
ASTM C297	Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions
ASTM C364	Standard Test Method for Edgewise Compressive Strength of Sandwich Constructions
ASTM D1004	Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting
ASTM D1204	Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
ASTM D1238	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D1505	Standard Test Method for Density of Plastics by the Density–Gradient Technique
ASTM D1621	Standard Test Method for Compressive Properties Of Rigid Cellular Plastics
ASTM D1622	Standard Test Method for Apparent Density of Rigid Cellular Plastics
ASTM D1623	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
ASTM D1693	Standard Test Method for Environmental Stress–Cracking of Ethylene Plastics
ASTM D1708	Standard Test Method for Tensile Properties of Plastics by use of Microtensile Specimens

ASTM D1709	Standard Test Methods for Impact Resistance of Plastic Film by the Free-falling Dart Method
ASTM D1822	Standard Test Method for Tensile-Impact Energy to Break Plastics and Electrical Insulating Materials
ASTM D1894	Standard Test Method for Static and Kinetic Coefficients of Friction of Film and Sheeting
ASTM D1938	Standard Test Method for Tear-Propagation Resistance of Film and Thin Sheeting by a Single-Tear Method
ASTM D2344/D2344M	Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ASTM D2412	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D2444	Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)
ASTM D256	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D2583	Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor
ASTM D2584	Standard Test Method for Ignition Loss of Cured Reinforced Resins
ASTM D2863	Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)
ASTM D3039/D3039M	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials
ASTM D3574	Standard Test Methods for Flexible Cellular Materials – Slab, Bonded and Molded Urethane Foams
ASTM D3769	Standard Test Method for Microcellular Urethanes – High Temperature Sag
ASTM D3846	Standard Test Method for In-Plane Shear Strength of Reinforced Plastics
ASTM D4216	Standard Specification for Rigid Poly ( Vinyl Chloride) (PVC) and Related PVC and Chlorinated Poly (Vinyl Chloride) (CPVC) Building Products Compounds
ASTM D4495	Standard Test Method for Impact Resistance of Poly (Vinyl Chloride) (PVC) Rigid Profiles by Means of a Falling Weight
ASTM D4812	Standard Test Method for Unnotched Cantilever Beam Impact Strength of Plastics
ASTM D5420	Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimens by Means of a Striker Impacted by a Falling Weight (Gardner Impact)
ASTM D543	Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents
ASTM D5628	Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimens by Means of a Falling Dart (Tup or Falling Mass)

ASTM D568	Test Method for Rate of Burning and/or Extent and Time of Burning of Flexible Plastics in a Vertical Position (Discontinued 1991)
ASTM D570	Standard Test Method for Water Absorption of Plastics
ASTM D6110	Standard Test Methods for Determining the Charpy Impact Resistance of Notched Specimens of Plastics
ASTM D618	Standard Practice for Conditioning Plastics for Testing
ASTM D6226	Standard Test Method for Open Cell Content of Rigid Cellular Plastics
ASTM D6272	Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials by Four-Point Bending
ASTM D635	Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position
ASTM D638	Standard Test Method for Tensile Properties of Plastics
ASTM D695	Standard Test Method for Compressive Properties of Rigid Plastics
ASTM D696	Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C With a Vitreous Silica Dilatometer
ASTM D732	Standard Test Method for Shear Strength of Plastics by Punch Tool
ASTM D756-93 (withdrawn)	Standard Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions
ASTM D790	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting
ISO 307	Plastics – Polyamides – Determination of Viscosity Number
ISO 3451-4	Plastics – Determination of Ash – Part 4: Polyamides
UL 94	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

**(Polymer Characterization)**

ASTM D3417	Standard Test Method for Enthalpies of Fusion and Crystallization by Differential Scanning Calorimetry
ASTM D3418	Standard Test Method for Transition Temperatures of Polymers by Thermal Analysis
ASTM D3895	Standard Test Method for Oxidative Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM E1131	Standard Test Method for Compositional Analysis by Thermogravimetry
ASTM E1252	Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis

USP (661)	Containers, Polyethylene Terephthalate Bottles and Polyethylene Terephthalate G Bottles, Multiple Internal Reflectance, Thermal Analysis
USP (671)	Containers Permeation
USP (891)	Thermal Analysis
USP 25 (661)	Containers, Polyethylene Containers—Thermal Analysis, Multiple Internal Reflectance, Light Transmission, Physicochemical Tests – Plastics

### **Resins and Rubbers**

ASTM D1000	Standard Test Method for Pressure–Sensitive Adhesive–Coated Tapes Used for Electrical and Electronic Applications
ASTM D1002	Standard Test Method for Apparent Shear Strength of Single–Lap–Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal–to–Metal)
ASTM D149	Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies
ASTM D1876	Standard Test Method for Peel Resistance of Adhesives (T–Peel Test)
ASTM D2137	Standard Test Methods for Rubber Property–Brittleness Point of Flexible Polymers and Coated Fabrics
ASTM D2240	Standard Test Method for Rubber Property–Durometer Hardness
ASTM D257	Standard Test Methods for DC Resistance or Conductance of Insulating Materials
ASTM D2860/D2860M	Standard Test Method for Adhesion of Pressure–Sensitive Tape to Fiberboard at 90° Angle and Constant Stress
ASTM D2979	Standard Test Method for Pressure–Sensitive Tack of Adhesives Using an Inverted Probe Machine
ASTM D3330/D3330M	Standard Test Method for Peel Adhesion of Pressure–Sensitive Tape
ASTM D3652/D3652M	Standard Test Method for Thickness of Pressure–Sensitive and Gummed Tapes
ASTM D3759/D3759M	Standard Test Method for Tensile Strength and Elongation of Pressure–Sensitive Tapes
ASTM D3767	Standard Practice for Rubber–Measurement of Dimensions
ASTM D395	Standard Test Methods for Rubber Property–Compression Set
ASTM D412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers–Tension
ASTM D429	Standard Test Methods for Rubber Property–Adhesion to Rigid Substrates
ASTM D471	Standard Test Method for Rubber Property–Effect of Liquids

ASTM D573	Standard Test Method for Rubber—Deterioration in an Air Oven
ASTM D575	Standard Test Methods for Rubber Properties in Compression
ASTM D624	Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
ASTM D746	Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
ASTM E28	Standard Test Methods for Softening Point of Resins Derived from Naval Stores by Ring-and-Ball Apparatus
ASTM F150	Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring
CGSB 81–GP–1M	Standard for Flooring Conductive and Spark Resistant
ISO 1133	Plastics – Determination of the melt mass–flow rate (MFR) and the melt volume of thermoplastics
ISO 11501	Plastics – Film and sheeting – Determination of dimensional change on heating
ISO 1183	Plastics – Methods for determining the density and relative density of non-cellular plastics
ISO 178	Plastics – Determination of Flexural Properties
ISO 180	Plastics – Determination of Izod Impact Strength
ISO 1926	Cellular plastics – Determination of tensile properties of rigid materials
ISO 22088 – 3	Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 3: Bent Strip Method
ISO 527–1	Plastics – Determination of Tensile Properties – Part 1: General Principles
ISO 527–2	Plastics – Determination of Tensile Properties – Part 2: Test Conditions for Extrusion Plastics
ISO 527–3	Plastics – Determination of Tensile Properties – Part 3: Test Conditions for Film
ISO 604	Plastics – Determination of Compressive Properties
ISO 6383	Plastics – Film and sheeting – Determination of tear resistance – Part 1: Trouser tear method
ISO 6601	Plastics – Determination of Friction and wear by sliding – Identification of test parameters
ISO 7765–1	Plastics film and sheeting – Determination of impact resistance by the free–falling dart method – Part 1: Staircase methods
ISO 8256	Plastics – Determination of tensile–impact strength
ISO 844	Rigid cellular plastics – Determination of compression properties
ISO 845	Cellular plastics and rubbers – Determination of apparent (bulk) density
ISO 974	Plastics – Determination of the brittleness temperature by impact
OPSS 1202	Material Specification for Bearings – Elastomeric Plain and Steel Laminated

Only for:  
 Section 1202.05.03, Table 1 (Elastomer Testing)  
 Section 1202.08.02.01 (Compressive Deformation)  
 Section 1202.08.02.04 (Tolerance of Steel Laminates)

## **ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS**

### **(Photovoltaic Devices)**

CAN/CSA-C61215:01	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval
CEI/IEC 60904-1	Photovoltaic Devices – Part 1: Measurements of PV Current–Voltage Characteristics
CEI/IEC 60904-3	Photovoltaic Devices – Part 3: Measurement Principles for Terrestrial Photovoltaic (PV) Solar Devices with Reference Spectral Irradiance Data
CEI/IEC 60904-5	Photovoltaic Devices – Part 5: Determination of the Equivalent Cell Temperature (ECT) of Photovoltaic (PV) Devices by the Open–Circuit Voltage Method
CEI/IEC 60904-7	Photovoltaic Devices – Part 7: Computation of Spectral Mismatch Error Introduced in the Testing of a Photovoltaic Device
CEI/IEC 60904-9	Photovoltaic Devices – Part 9: Solar Simulator Performance Requirements
CEI/IEC 61215	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval
CEI/IEC 61646	Thin–Film Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval
IEC 60891	Procedures for Temperature and Irradiance Corrections to Measured I–V Characteristics of Crystalline Silicon Photovoltaic Devices
IEC 61721	Susceptibility of a Photovoltaic (PV) Module to Accidental Impact Damage (Resistance to Impact Test)
IEC 61730-2	Photovoltaic (PV) Module Safety Qualification – Part 2 – Requirements for Testing Except for: 10.5 Impulse Voltage; 10.8 Fire Test; 11.11 Partial Discharge Test
UL 1703	Flat Photovoltaic Modules and Panels Except for: 31: Fire Tests 39: Hot Spot Endurance Tests
ULC-ORD-C1703-01	Flat–Plate Photovoltaic Modules and Panels Except for: 5.14: Fire Test 5.21: Hot Spot Endurance Test

## **ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY**

**Environmental Conditioning:**

**Temperature**

ANSI/AMCA-210 and ANSI/ASHRAE 51	Laboratory Methods of Testing Fans for Aerodynamic Performance Rating
ANSI/ASHRAE 55	Thermal Environmental Conditions for Human Occupancy
ASHRAE 117	Method of Testing Closed Refrigerators
ASHRAE 72	Method of Testing Open Refrigerators
Bodycote SOP 01-06-SP-1396	Environmental Chamber Operation for Accelerated Aging
CAN/CSA C191	Performance of Electric Storage Tank Water Heaters for Domestic Hot Water Service
CAN/CSA C742	Performance of Automatic Ice-Makers and Ice Storage Bins
CAN/CSA C827	Energy Performance Standard for Food Service Refrigerators and Freezers. Note: Self-contained air-cooled models only.
CAN/CSA P.10	Testing Method for Performance of Residential Integrated Mechanical Systems. Note: This Standard is under development and is currently available as a Draft only.
CAN/CSA P.2	Testing Method for Measuring Annual Fuel Utilization Efficiencies of Residential Furnaces and Boilers
CAN/CSA P.3	Testing Method for Measuring Energy Consumption and Determining Efficiencies of Gas-Fired Storage Water Heaters
CAN/CSA P.7	Testing Method for Measuring Energy Loss of Gas-Fired Instantaneous Water Heaters
CSA C439M	Standard Laboratory Methods of Test for Rating the Performance of Heat/Energy-Recovery Ventilators

**MACHINERY**

**Munitions and Arms: (Ballistics)**

NIJ 0101.03	Ballistic Resistance of Police Body Armor
NIJ 0101.04	Ballistic Resistance of Personal Body Armor

**(Transportation, Agricultural and Construction Vehicles and Components)**

GMT191	Passenger Air Bag Process Audit Procedures and Specifications in Accordance with GMW3112 Verification of requirements for frontal air bag modules Only for: Section 3.2.1.1, Static Deployment Test
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**Engines**

Bodycote SOP 02-14-SP-1507	General Procedures for Production Engine Performance Evaluation – 10 Minute Hot Test
Bodycote SOP 02-14-SP-1508	General Procedures for Production Engine Performance Evaluation-Loaded
Bodycote SOP 02-14-SP-1509	General Procedures for Production Engine Performance Evaluation-Durability
Bodycote SOP 04-14-SP-1681	Euro III Regulations R24, R49 and R85 Test Procedure for Heavy Duty Diesel Cycle Engines
Bodycote SOP 04-14-SP-1682	European Steady-State Cycle Test
Bodycote SOP 06-14-SP-1793	Engine Net Power Measurement and Correction- SAE
Bodycote SOP 06-14-SP-1819	General Procedures for Production Engine Performance Evaluation 20 Minute No Load Hot Test
CFR 40, Part 86	Heavy Duty Transient Emissions Tests Only for: (a) Subpart N: "Emissions Regulations for new Auto Cycle & Diesel Heavy Duty Engines; Gaseous & Particulate Exhaust Test Procedures". (b) Subpart A: Standards (c) Subpart I: Smoke Cycle (d) Appendix I: Cycle Definition
CFR 40, Part 89	Non Road Steady State Emissions Tests Only for: (a) Subpart A: General (b) Subpart B: Emissions Standards (c) Subpart D: Emission Test Equipment (d) Subpart E: Exhaust Emissions Test Procedures

**MARKETPLACE PRODUCTS-CONSUMER AND BUSINESS**

**Furniture and Consumer Articles:**

**(Consumer Articles)**

ANSI SS EN 344/A1	Requirements and test methods for safety, protective and occupational footwear for professional use (foreign standard)
ANSI SS EN 345/A1	Specification for safety footwear for professional use (foreign standard)
ASHRAE 93	Methods of Testing to Determine the Thermal Performance of Solar Collectors (ANSI approved)
CAN/CSA F378	Solar Collectors Only for: Paragraph 6.2, collector Tests
CAN/CSA F379.1	Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer)
CAN/CSA F379.2-M	Seasonal Use Solar Domestic Hot Water Systems
CSA / CAN3 Z11 M	Portable Ladders
CSA Z195	Protective Footwear

**Furniture**

California TB 133 based on  
BIFMA x5.8

## A Fire Test for Seating Furniture in Public Buildings

**Trade and Commercial Goods:****(Containers and Packaging)**

ASTM D4169	Standard Practice for Performance Testing of Shipping Containers and Systems
ASTM D4728	Test Method for Random Vibration Testing of Shipping Containers
ASTM D5276	Test Method for Drop Test of Loaded Containers by Free Fall
ASTM D6179	Test Methods for Rough Handling of Unitized Loads and Large Shipping Cases and Crates
ASTM D642	Test Method for Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads
ASTM D880	Test Method for Impact Testing for Shipping Containers and Systems
ASTM D999	Test Methods for Vibration Testing of Shipping Containers
CAN/CGSB 43.150	Performance Packagings for Transportation of Dangerous Goods
CAN/CGSB 43.165	Plastic Jugs, Fiberboard Boxes and Pallets for Export Oil as Food Aid
CAN/CGSB 43.44	Bags for Transport of Food Aid
ISTA	Preshipment Testing Procedures Only for: 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 2A, 2B
MIL STD 202F	Department of Defense Test Method Standard Electronic and Electrical Component Parts Only for: Method No. 103B Humidity 201A Vibration 204D Vibration, High Frequency
MIL STD 202G	Department of Defense Test Method Standard Electronic and Electrical Component Parts Only for: Method No. 103B Humidity 201A Vibration 204D Vibration, High Frequency
MIL STD 810E	Department of Defense Test Method Standard for Environmental Engineering Considerations and Laboratory Tests 14 July 1989 Only for: Method No. 500.3 Low Pressure (Altitude) 501.3 High Temperature

	502.3 Low Temperature
	505.3 Solar Radiation (Sunshine)
	507.3 Humidity
	508.4 Fungus
	514.4 Vibration
	516.4 Shock
MIL STD 810F	Department of Defense Test Method Standard for Environmental Engineering Considerations and Laboratory Tests. 1 January 2002
	Only for: Method No.
	500.4 Low Pressure (Altitude)
	501.4 High Temperature
	502.4 Low Temperature
	505.4 Solar Radiation (Sunshine)
	507.4 Humidity
	508.4 Fungus
	514.4 Vibration
	516.5 Shock
RTCA/DO-160D	Environmental Conditions and Test Procedures for Airborne Equipment
	Only for: Section 5: Temperature Variation Section 7: Shock and Crash Section 8: Vibration Section 13: Fungus

## **METALLIC ORES AND PRODUCTS**

### **Articles of Metal:**

#### **(Mechanical Tests)**

ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Only for: Sections 5 to 13, 17
ASTM B593	Standard Test Method for Bending Fatigue Testing for Copper Alloy Spring Materials
ASTM E1012	Standard Procedure for Verification of Specimen Alignment under Tensile Loading
ASTM E111	Standard Test Method for Young's Modulus, Tangent Modulus and Chord Modulus
ASTM E1237	Standard Guide for Installing Bonded Resistance Strain Gages
ASTM E1290	Standard Test Method for Crack Tip Opening displacement (CTOD) Fracture Toughness Measurement
ASTM E18	Standard Test Methods for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials

ASTM E1820	Standard Test Method for Measurement of Fracture Toughness
ASTM E208	Standard Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels
ASTM E21	Test Methods for Elevated Temperature Tension Tests of Metallic Materials
ASTM E340	Standard Test Method for Macroetching Metals and Alloys
ASTM E399	Standard Test Method for Plain-Strain Fracture Toughness of Metallic Materials
ASTM E436	Standard Test Method for Drop Weight Tear Tests of Ferritic Steels
ASTM E466	Practice for Conducting Force Controlled Constant Amplitude Axial Fatigue Tests of Metallic Materials
ASTM E467	Standard Procedure for Verification of Constant Amplitude Dynamic Forces in an Axial Fatigue Testing System
ASTM E604	Test Method for Dynamic Tear Testing of Metallic Materials
ASTM E606	Standard Practice for Strain Controlled Fatigue Testing
ASTM E647	Standard Test Method for Measurement of Fatigue Crack Growth Rates
ASTM E8	Test Methods for Tension Testing of Metallic Materials
ASTM E9	Standard Test Method for Compression Testing of Metallic Materials at Room Temperature
Bodycote SOP 01-03-SP-1374	Vibration/Shock Testing
Bodycote SOP 02-03-SP-1419	Pressure and Burst Testing
Bodycote SOP 02-03-SP-1505	Fatigue and Strength Testing of Components
Bodycote SOP 03-15-SP-1614	Procedure for Conducting Durability Simulation
BS 7448	Fracture Mechanics Toughness Tests, Parts 1 and 2

## **TEXTILES AND FIBROUS MATERIALS**

### **Apparel and Other Finished Textile Products:**

#### **Clothing**

AATCC 118	Oil repellency
AATCC 143	Appearance of Apparel and Other Textile End Products after Repeated Home Laundering
CAN/CGSB 4.2 No. 59.1 as per AATCC 124	Appearance of Fabrics after Repeated Home Laundering
CAN/CGSB 4.2 No. 59.2 as per AATCC 88B	Smoothness of Seams in Fabrics after Repeated Home Laundering
CAN/CGSB 4.2 No. 59.3 as per AATCC 88C	Retention of Creases in Fabrics after Repeated Home Laundering
DIN 53327	Density

DOC FF-5-74	Standard for the Flammability of Children's Sleepwear: Sizes 7 through 14 (Appearance after Home Laundering)
ISO 11640	Colourfastness to rubbing
ISO 11640	Tear strength
ISO 11644	Finish adhesion
ISO 15700	Water spotting
ISO 2589	Thickness
	Colour variation between finished surface and dyed grain
ISO 6330	Textiles – Domestic Washing and Drying Procedures for Textile Testing
ISO 675	Textiles – Woven Fabrics – Determination of Dimensional Change on Commercial Laundering Near the Boiling Point
ISO T 0017	Maintainability
IUP 15	Fingerprint tests – water vapour permeability
IUP 20	Flexing endurance
IUP 29	Cold crack resistance of finish
IUP 36	Softness variation

**(Protective)**

CAN/CGSB 155.1	Firefighters' Protective Clothing for Protection against Heat and Flame
CAN/CGSB 155.20	Workwear for Protection Against Hydrocarbon Flash Fire
CAN/CGSB 155.22	Fireline Workwear for Forest Firefighters

**Floor Coverings**

AATCC 134	Electrostatic Propensity of Carpets
AATCC 175	Stain Resistance: Pile Floor Coverings
AATCC 76	Electrical Resistivity of Fabrics
ASTM D1056	Specification for Flexible Cellular Materials Sponge or Expanded Rubber
BSI BS4939	Determination of Thickness Loss of Textile Floor Coverings after Prolonged Heavy Static Loading
CAN/CGSB 20.23M	Flexible Polymeric Undercushions
CAN/CGSB 4.129M	Carpet for Commercial Use
CAN/CGSB 4.155M	Flammability of Soft Floor Coverings Sampling Plans
CAN/CGSB 4.161M	Carpet for Residential Use
CAN/CGSB 4.2-M 27.6	Flame Resistance Methenamine Tablet Test for Textile Floor Coverings
ISO/CD 12950	Textile Floor Covering Classification of Pile Carpets
NFPA 99	Health Care Facilities
	Only for:
	par. 3-3.6.6.3(A) – Static Decay
	par. 3-3.6.2.7 – Surface Resistivity

## **Furniture Coverings**

BSI BS 5852 1	Methods of Test for Assessment of the Ignitability of Upholstered Seating by Smoldering and Flaming Ignition Sources
California TB 117	Flammability Testing for Residential Upholstered Furniture Only for:  Sec. A, Part 1 – Foam Open Flame  Sec. B, Part 1 – Natural Battings Open Flame  Sec. C – Synthetic Batting 45  Sec. D, Part 1 – Non Foam Filling Materials Cigarette Test  Sec. D, Part 2 – Foam Filling Materials Cigarette Test  Sec. E – Fabric 45 Sec. D, Part. 2 – Resilient Cellular Materials – Smoldering Scrounge Test
UFAC	Fire Tests, Components, Cigarette Ignition Mattresses

## **Mattresses**

16 CFR Part 1632	Standard for the Flammability of Mattresses and Mattress Pads (FF 4-72, Amended)
CAL TB 106	Resistance of Mattress from Smoldering Cigarettes
California TB 121	Prison Mattresses Full Scale Fire Test California TB 129 Flammability Test Procedure for Mattresses for Use in Public Buildings
CAN/CGSB-4.2-M 27.7	Combustion Resistance of Mattresses Cigarette Test
EST-3203-01-029	VIA Rail: Seat Cushions and Mattress Assemblies
ONT 7210-9	Specifications for Mattress, Fire Retardant, Large Scale Fire Test

## **Tents**

CPAI 84 A	Specification for Flame Resistant Materials Used in Camping Tentage
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## **Textile Mill Products: (Including synthetic and natural fibres)**

## **Aircraft Materials**

FAR 25.853(a)	Vertical and Horizontal Bunsen Burner Test for Cabin and Cargo Compartment Materials
FAR 25.853(c)	Oil Burner Test for Seat Cushions
FAR 25.853(d)	Heat Release Rate for Cabin Materials
FAR 25.853(d)	Smoke Generation of Aerospace Materials

### **Fabrics**

AATCC 101	Colorfastness to Bleaching with Hydrogen Peroxide
AATCC 104	Colorfastness to Water Spotting
AATCC 105	Colorfastness to Water: Chlorinated Pool. Superseded by Method 162
AATCC 116	Colorfastness to Crocking: Rotary Vertical Crockmeter Method
AATCC 117	Colorfastness to Heat: Dry (Excluding Pressing)
AATCC 133	Colorfastness to Heat: Hot Pressing
AATCC 135	Dimensional Changes in Automatic Home Laundering of Woven or Knit Fabrics
AATCC 150	Dimensional Changes in Automatic Home Laundering of Garments
AATCC 16	Colorfastness to Light
AATCC 160	Dimensional Restoration of Knitted and Woven Fabrics after Laundering
AATCC 20	Fiber Analysis: Qualitative
AATCC 21	Water Repellency: Static Absorption Test
AATCC 3	Colorfastness of Bleaching with Chlorine
AATCC 35	Water Resistance: Rain Test
AATCC 66	Wrinkle Recovery of Fabrics: Recovery Angle Method
AATCC 70	Water Repellency: Tumble Jar Dynamic Absorption Test
AATCC 92	Chlorine, Retained, Tensile Loss: Single Sample Method
AATCC 93	Abrasion Resistance of Fabrics: Accelerator Method
AATCC 96	Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics except Wool
ASTM D1336	Test Method for Distortion of Yarn in Woven Fabrics (Discontinued 1995)
ASTM D1388	Test Method for Stiffness of Fabrics
ASTM D1440	Test Method for length and Length Distribution of Cotton Fibers (Array Method)
ASTM D1445	Test Method of Breaking Strength and Elongation of Cotton Fibers (Flat Bundle Method)
ASTM D1448	Test Methods for Micronaire Reading of Cotton Fibers
ASTM D1577	Test Methods for Linear Density of Textile Fibers
ASTM D2594	Test Methods for Stretch Properties of Knitted Fabrics Having Low Power
ASTM D3884	Test Method for Abrasion Resistance of Textile Fabrics (Rotary Platform, Double-Head Method)

ASTM D3885	Test Method for Abrasion Resistance of Textile Fabrics (Flexing and Abrasion Method)
ASTM D3886	Test Method for Abrasion Resistance of Textile Fabrics (Inflated Diaphragm Method)
ASTM D3940 Discontinued 1995	Test Method for Bursting Strength (Load) and Elongation of Sewn Seams of Knit or Woven Stretch Textile Fabrics
ASTM D3992	Specifications for Fineness of Wool Top or Mohair Top and Assignment of Grade
ASTM D4108	Test Method for Thermal Protective Performance of Materials for Clothing by Open-Flame Method
ASTM D4157	Test Method Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method)
ASTM D4966	Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)
ASTM D4970	Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics (Martindale Pressure Tester Method)
ASTM D751	Standard Test Methods for Coated Fabrics
BSI 4923	Methods for Individual Domestic Washing and Drying for Use in Textile Testing – (Withdrawn)
BSI 5066	Method of Test for the Resistance of Fabrics for an Artificial Shower
CAN/CGSB 139-GP-4M	Determination of Composition of Mixtures of Feathers and Down by Mechanical Sorter
CAN/CGSB 4.2	Textile Fabrics Only for:  No. 4.1 : Measurement of Width of Pieces (Extension of March 1987)  No. 5.1 : Unit Mass of Fabrics  No. 6 : Textiles – Woven Fabrics – Construction Methods of Analysis  No. 7 : Knitted Fabric Count – Wales and Courses per Centimetre (Extension of February 1988)  No. 9.3 : Breaking Strength of High Strength Fabrics – Constant-time-break Principle  No. 9.4 : Breaking Strength of Yarns – Single Strand Method  No. 9.5 : Breaking Strength of Yarns – Skein Method  No. 9.6 : Breaking Strength of Nonwoven Textiles  No. 12.2: Tearing, Trapezoid

	E02 : Tests for Colour Fastness Part E02: Colour Fastness to Sea Water
	E04 : Tests for Colour Fastness Part E04: Colour Fastness to Spotting: Acid
	G02 : Tests for Colour Fastness Part G02: Colour Fastness to Burnt Gas Fumes
	X11 : Tests for Colour Fastness Part X11: Colour Fastness to Hot Pressing
ISO 137	Wool – Determination of Fiber Diameter – Projection Microscope Method
ISO 2313	Textiles – Determination of the Recovery from Creasing of A Horizontal Folded Specimen of Fabric by Measuring the Angle of Recovery ISO 4920 Textiles – Determination of Resistance to Surface Wetting (Spray Test) of Fabrics
ISO 5081	Textiles – Woven Fabrics – Determination of Breaking Strength and Elongation (Strip Method)
ISO 5082	Textiles – Woven Fabrics Determination of Braking Strength – Grab Method
ISO 6939	Textiles Yarns from Packages Method of Test for Breaking Strength of Yarn by the Skein Method
ISO 7211–2	Textiles – Textiles – Woven Fabrics – Construction – Methods of Analysis
NFPA 701	Fire Tests for Flame Resistant Textiles and Films Fibres

### **Yarns**

AATCC 22	Water Repellency: Spray Test
ASTM D1422	Untwist–Retwist
ASTM D1423	Direct Counting
ASTM D1578	Breaking, Skein
ASTM D1907	Yarn Number
ASTM D2256	Breaking and Elongation
ASTM D2256	Breaking, Single Strand
CAN/CGSB 4.2	Textile Test Methods Only for:

No. 10–M Elongation (Extension of May 1987)

No. 4.4 Determination of Length of Yarns and Threads (Extension of June 1978)

No. 5.2 Linear Density of Yarn in SI Units

No. 8.1 based on ISO 7211/4: Woven Fabrics Construction Methods of Analysis – Part 4) Determination

	of Twist in Yarns Removed from Fabric
	No. 8.2 based on ISO 2061: Determination of Twist in Yarns – Direct Counting – Method
	No. 8.3 based on ISO 2: Textiles – Determination of Direction of Twist in Yarns and Related Products
	No. 9.4 Breaking, Strength of Yarns – Single Strand Method
	No. 9.5 Breaking, Strength of Yarns – Skein Method
CAN/CGSB-4.2 No. 24	Colourfastness and Dimensional Change in Commercial Laundering
CAN/CGSB-4.2 No. 3	Determination of Moisture in Textiles
CAN/CGSB-4.2 No. 30.2	Procedure of the Removal of Non-Permanent Flame-Retardant Treatments on Textiles Floor Coverings
CAN/CGSB-4.2 No. 30.3	Procedure of the Removal of Non-Permanent Flame-Retardant Treatments on Textiles Products
CAN/CGSB-4.2 No. 33	Methods of Pressing
CAN/CGSB-4.2 No. 39	Yarn Crimp
CAN/CGSB-4.2 No. 4.2	Textile Fabrics – Measurement of Length Pieces
CAN/CGSB-4.2 No. 4.3	Bootlaces and Shoelaces – Measurement of Length of Pieces
CAN/CGSB-4.2 No. 4.5	Retail Packages of Yarn – Determination of Mass
CAN/CGSB-4.2 No. 40	Solvent Extractable Material
CAN/CGSB-4.2 No. 41	Standard Light Sources for Colour Matching of Textiles
CAN/CGSB-4.2 No. 42	Copper Content of Textiles
CAN/CGSB-4.2 No. 47	Textiles – Tests for Colourfastness Part A03
CAN/CGSB-4.2 No. 49	Resistance of Materials to Water Vapour Diffusion
CAN/CGSB-4.2 No. 56.1	Unidirectional Extension and Recover Properties of Elastic Fabrics
CAN/CGSB-4.2 No. 57	Unidirectional of Safe Ironing Temperature
CAN/CGSB-4.2 No. 63.1 to 63.3	Formaldehyde in Textiles
CAN/CGSB-4.2 No. 64	Chromatic Transference Scale
CAN/CGSB-4.2 No. 65	Determination of Strength Bonds of Bonded, Laminated and Fused Fabrics
CAN/CGSB-4.2 No. 66	Dimensional Change and Appearance After Dry Cleaning of Coated Bonded, Laminated and Fused Fabrics
CAN/CGSB-4.2 No. 67	Dimensional Change and Appearance After Laundering of Coated Bonded, Laminated and Fused Fabrics
CAN/CGSB-4.2 No. 72.1 to 72.3	Textiles – Fibres and yarns – Determination of Commercial Mass of Consignments ISO 6741-1, 2, 3
CAN/CGSB-4.2 No. 73.4	Wool- Determination of Alkali Content
CAN/CGSB-4.2 No. 73.5	Wool – Determination of Acid Content
ISO 2	Textiles – Designation of the Direction of Twist in Yarns and Related Products
ISO 2061	Textiles – Determination of Twist in Yarns Direct Counting Method

ISO 6939	Textiles Yarns from Packages – Method of Test for Breaking Strength of Yarn by the Skein Method
ISO 7211/4	Textile – Woven Fabrics Construction Methods of Analysis

**(Geotextiles)**

ASTM D4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D4595	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
ASTM D4632	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles

**Notes:**

***AAMA/NWWDA:*** American Architectural Manufacturers Association

***AATCC:*** American Association of Textile Chemists and Colorists

***ANSI/BIFMA:*** American National Standards Institute/Business and Institutional Furniture Manufacturer's Association

***APA:*** The Engineered Wood Association

***ASHRAE:*** American Society of Heating, Refrigerating, and Air-Conditioning Engineers

***ASTM:*** American Society of Test Methods

***BSI:*** British Standards Institute

***CAN/CGSB:*** Canadian General Standards Board

***CAN-P-4E (ISO/IEC 17025):*** General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

***CAN/ULC:*** Underwriters' Laboratories of Canada

***CFR:*** Code of Federal Regulations

***CEI:*** Commission électrotechnique internationale

***CMVSS/FMVSS:*** Canadian Motor Vehicle Safety Standard/Federal Motor Vehicle Safety Standard

***CPAI:*** Industrial Fabrics Association International

***CPSC:*** Consumer Product Safety Commission

***CSA:*** Canadian Standards Association

***FAA:*** Federal Aviation Administration

**FAR:** Federal Aviation Regulation

**GM:** General Motors

**GMT:** Magna International

**GP:** Canadian General Standards Board Specification

**IEC:** International Electrotechnical Commission

**ISO:** International Standards Organization

**ISTA:** International Safe Transit Association

**JIS:** Japanese Industrial Standard

**NAFS:** National Alliance for Food Safety

**NEMA:** National Electrical Manufacturers Association

**NFPA:** National Fire Protection Association

**NIST:** National Institute of Standards and Technologies

**OPSS:** Ontario Provincial Standard Specification

**RTCA/DO:** Requirements and Technical Concepts for Aviation

**SAE:** Society of Automotive Engineers

**UFAC:** Upholstered Furniture Action Council

**UL:** Underwriters Laboratory

**US MIL:** United States Military Standard

**USP:** United States Pharmacopeia

**CLP:** Chemical Laboratory Procedures

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