Miami-Dade County, Florida
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

This certifies that Exova Canada, Inc. located at 2395 Speakman Drive, Mississauga, ON L5K 1B3, Canada is an approved Testing Laboratory in accordance with Miami-Dade County Department of Permiting, Environment, and Regulatory Affairs and Protocol TAS301-94, and is Certified to perform the following tests:

International Accreditation Service (IAS) TL-407

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Permiting, Environment, and Regulatory Affairs per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Samuel S. Shilesh, P.E.

This Certification and Registration Approved: ***December 08, 2011***
This Certification and Registration Expires : **November 20, 2013**

Certification No. : **11-1115.03** Revises : 09-0806.09

Jaime D. Gascon, P.E.
Product Control Section Supervisor
Product Control Section

Americo Segura
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Permiting, Environment, and Regulatory Affairs reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

EXOVA CANADA, INC., MISSISSAUGA LABORATORY

2395 SPEAKMAN DRIVE
MISSISSAUGA, ONTARIO L5K1B3
CANADA

Testing Laboratory TL-407
(Revised October 26, 2011)

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing January 27, 2011, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen
Vice President

C. P. Ramani, P.E.
President

ACCREDITED

(see attached scope of accreditation for fields of testing and accredited test methods)

Print Date: 11/03/2011

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International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407
(Revised October 26, 2011)

Exova Canada Inc., Mississauga Laboratory
2395 Speakman Drive
Mississauga, Ontario L5K1B3
Canada

Lisa Kane
Quality Manager
(905) 822-4111

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical testing	**Construction materials** ASTM Standards D 1623, D 1761, D 2126, D 2842, D 4216, D 4226 (except D 178 and D 374), D 6109 (except D 5947), E 72 (only Section 11), E 73, E 196, E 455, E 529, E 564, E 894 (except for E 488), E 935, E 985, E 2322 and F 970 (except F 1914 and F 387); CAN/CSA-S269.2, CSA S136, CSSBI S2, CSSBI S5, Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC323 **Concrete** ASTM Standards C 67, C 297/C 297M (except D 3039/D 3039M, C 792, D 2734, D 3171, D 5229/D 5229M and E 4) **Floor coverings** ASTM Standards C 1353 (except C 97, C 127 and C 501), D 1056 (except D 471 and D 575), F 137, F 386, F 1066 (except ASTM Standards F 925, F 1265, F 1304, F 1514, F 1914, F 2055, F 2199 and ANSI/ASQC Z1.4), F 1303, F 1344 (except D 2240, D 3389, F 373, F 410, F 511, F 925, F 1484, F 1514, F 2055, F 2199 and ANSI/ASQC Z1.4), F 1700 (except F 373, F 925, F 1514, F 1515, F 1914, F 2055, F 2199 and ANSI/ASQC Z1.4), F 1913 (except F 410, F 925, F 1514, F 1515, F 1914 and ANSI/ASQC Z1.4), CGSB 75.1-M88 Section 7.2.7, Fed. Spec. L-F-001641

January 27, 2011
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 11/03/2011

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Exova Canada Inc., Mississauga Laboratory TL-407
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FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical testing (continued)	**Thermal insulation** ASTM Standards C 165 (except for E 4, E 177 and E 240), C 167, C 203, C 302, C 303, C 335 (except C 177, ISO 8497 and C 250), C 356 (except C 210), C 421, C 446, C 447 (except C 177 and C 1621), C 550, E 2098, E 2134, E 2273, E 2321, E 2359, E 2485 and E 2486; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC377 **Miscellaneous construction materials** ASTM Standards C 272 (except C 271), C 367, C 1201, D 828, D 882, D 897, D 1037 (except C 273, D 143, D 905, D 2395, D 3043, D 3501 and E 4), E 661, E 1592, E 1677, E 2178 and E 2357; AAMA Standard 503 Metal Curtain Wall Section 1 the following tests only; Wind loads, Dead loads, Uniform structural loads, Air leakage, Water penetration, Water spray test without air pressure difference, AAMA Standard 508 (except AAMA Standard 501.1); APA S-2; CAN/CGSB-41.24; Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC39 and AC174 **Plaster** ASTM Standards C 473 (except D 3285 and E 4), C 1396/C 1396M (except E 119) and C 79/C 79M; CAN/CSA-A82.20.2-M **Insulating and Safety glass** ASTM Standards C 1036, E 2188 and E 2649; ANSI Z97-1; CAN/CGSB 12.1-M, 12.2-M, 12.3-M, 12.8-M, 12.11-M, 12.13-M, 12.20-M; CPSC16/CFR1201 **Plastics** ASTM D Standards 1621, D 1622, D 3045 and D 4495

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President

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Environmental	ANSI/AMCA Standard 210 and ANSI/ASHRAE 51, ASTM D Standard 2247 (except D 2616, D 1654, D 3363, D 610 and D 714), ISTA 7D (Thermal Cycling only)
Fenestration	ASTM Standards C 1401 (except C 1087, C 1135, C 1248, C 1253, C 1265, C 1294, C 510, C 719, C 794, C 880, C 99, D 2203, E 1886, AAMA Standards 501.1 and 501.2), E 783, E 987 and E 1105; AAMA Standard 508 (except 501.1); NFRC Standards 100 and 101 (except ASTM Standards C 177, C 1114, C 1371, E 903, E 1225, E 1530, E 1933 and E 1952); CSA P.10, CAN/ULC S741
Deck board composite materials	ASTM Standards D 6662 (except D 6112, D 6341 and E 108), D 7031 (except C 1308, D 1413, D 143, D 2017, D 2047, D 2394, D 2395, D 2481, D 3345, D 4060, D 4442, D 4761, D 5379, D 5764, E 108 and F 1679, AWPA Standards E1 and E7), D 7032 (except D 1413, D 198, D 2017, D 2047 D 2394, D 3345, D 4761, D 5764, E 108, F 1679, AWPA Standards E1 and E10), E 2353 (except ASTM Standard E 2025) and E 2358 (except ASTM Standard E 2025) and CSSBI 12M
Construction materials	CAN/CSA Standards S16.1 and CSA A370
Fire and flammability	**Construction** ASTM Standards D 3675, E 84 (except D 4442, D 4444, E 160, E 286, E 69), E 136, E 162, E 648, E 662, E 970, and E 1354; NFPA Standards 253, and 258; Boeing BSS 7239; Bombardier SMP 800-C; UL Standard 723; CAN/ULC Standards S102, S102.2, S114 and S127

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire and flammability (continued	**Elastomers and Protective and other Coatings** ASTM Standards C 1166, D 568, D 635 and D 1929; UL Standard 94; ISO Standard 871 **Furniture** California TB 133
Textiles and Fibrous Materials	AATCC Standards 16, 20, 22, 35, 66, 70, 76, 92. 93. 96, 101, 104, 112, 116, 117, 118, 127, 133, 134, 135, 143, 150, 162, and 175; ASTM Standards D 751 (except for D 2136), D 1230, D 1336, D 1388 (except for D 3776), D 1422(except for D 1059, D 2258) and D 1423 (except for D1059 and D1425), D 1578 (except for D 2258), D 1907 (except for D 1059, D 2257, D 2494), D 2212, D 2256/D 2256M (except for: D 3822 and D 885), D 2594, D 3885, D 3886 (except for D 1175), D 3940, D 3992 (except for D2130, Measurement Method for Determining Grade of Mohair Top, Section 32.302, Measurement Method for Determining Grade of Wool Top, Section 31.301), D 4108, D 4157, D 4533, D 4595, D 4632 (except for D461), D 496, D 4970 (except for D 3511), D 6413, F 1506; CAN/CSGB Standards 4.129M, 4.155M, 4.161M, 4.2-M27.6, 4.2-M 27.7, 4.2 No. 27.10, 4.2 No. 78.1, 4.2 No. 59.1 as per AATCC 124, 4.2 No.59.2 as per AATCC 88B, 4.2 No. 59.3 as per AATCC 88C, 20.23M, 155.1, 155.20, 155.22; CAN/CSGB 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

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International Accreditation Service

SCOPE OF ACCREDITATION

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	(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, No. 15: Non-Fibrous Material on Textiles, No. 18.2: Tests for Colourfastness - Part B01: Colourfastness to Light: Daylight, No. 18.3: Tests for Colourfastness - Part B02: Colourfastness to Artificial Light: Xenon Arc Fading Lamp Test, No. 25.1: Dimensional Change in Wetting, No. 26.1: Water Resistance - Static Head Penetration Test (Extension of September 1988), No. 26.3: Determination of Resistance to Water Penetration - Hydrostatic Pressure Test, No. 26.5: Water Resistance - High Pressure Penetration Test, No. 30: Dimensional Change in Dry Cleaning, No. 30.1: Effect of Solvents on the Permanence of Textile Finishes, No. 31 based on ISO 105/X11: Tests for Colourfastness - Part X11: Colourfastness to Hot 1987 Pressing, No. 35.1: Colourfastness to Burnt Gas Fumes, No. 37: Fabric Thickness Extension of September 1987), No. 45: Determination of the Recovery from Creasing of a Horizontally Folded Specimen by Measuring the Angle of Recovery (Extension of February 1988), No. 47: Grey Scale for Assessing Staining, No. 51.1: Resistance to Pilling, Rotating Box Method, No. 52.1: Colourfastness to Chlorinated Water, No. 55: Loss in Strength Colour Change of Fabrics Due to Retained Chlorine, No. 58: Colourfastness and Dimensional Change in Domestic Laundering of Textiles, No. 68-92/ISO105-J01-89:

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	Textiles - for Colour Fastness - Part J01:, No. 69 : Weather Resistance - Xenon Arc Radiation, No. 71-M/ISO/TR 8091:83: Textiles-Twist Factor Related to the Tex System, No. 73.1M/ISO2647; Wool - Determination of Percentage of Medullated Fibres by the Projection Microscope, No. 74-M/ISO3071; Textiles - Determination of pH of the Aqueous Extract., No. 75-93/ISO105-A01; Textiles - Testing for Colour Fastness - Part A01; General Principles of Testing, No. 76-94/ISO 2551; Machine - Made Textile floor coverings - Determination of Dimensional Changes due to the Effects of varied Water and Heat Conditions, No. 77.1-94/ISO 4919; Carpets - Determination of Tuft Withdrawal Force ; CAN/CGSB 4.2 Quantitative Analysis of Fibre Mixtures Only for: No. 14.1: Binary Mixtures Containing Wool - 70% Sulfuric Acid Method (Extension of September 1988), No. 14.2: Binary Mixtures Containing Wool - Sodium Hypochlorite Method (Extension of September 1988), No. 14.3: Binary Mixtures Containing Wool - 75% Sulfuric Acid Method (Extension of September 1988), No. 14.4: Binary Mixtures Containing Cotton and Regenerated Cellulose - Zinc Chloride/Formic Acid Method, No. 14.5: Binary Mixtures Containing Acrylic or Modacrylic Fibres - Butyrolactone Method, No. 14.6: Binary Mixtures Containing Acrylic or Modacrylic Fibres - Cyclohexanone Method, No. 14.7: Binary Mixtures Containing Acetate Fibres - Acetone Method (Extension of July 1988), No. 14.8: Binary Mixtures Containing Triacetate Fibres - Dichloromethane Method (Extension of September 1988), No. 14.9 : Microscopic Count Method, No. 14.11: Binary Mixtures Containing Secondary and Triacetate Fibres - 70% Acetone Method, No. 14.12: Binary Mixtures Containing Nylon 6 or Nylon 6.6 - 80% Formic Acid Method (Extension of October 1988),

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Exova Canada Inc., Mississauga Laboratory TL-407
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FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	No. 14.13 : Binary Mixtures Containing Certain Spandex (Elastane) Fibres - Boiling Cyclohexanone Method, No. 14.14 : Binary Mixtures Containing Polyvinyl Chloride Fibres - Carbon Disulphide/Acetone Method, No. 14.15 : Binary Mixtures Containing Polypropylene Fibres - Xylem Method, No. 14.16 : Binary Mixtures Containing Acetate and Polyvinyl Chloride Fibres - Glacial Acetic Acid Method (Extension of July 1988), No. 14.17: Manual Separation, No. 14.18: Quantitative Analysis Multi-Fibre Blends, No. 48: Wool - Determination of Fibre Diameter – Projection; CAN/CGSB 4.2 Flame Resistance Only for: M 27.1: Vertical Burning Test, M 27.2: Surface Burning Test, M 27.4 based on ISO 6940: Textile Fabric - Burning Behaviour - Determination of Ease of Ignition of Vertically Oriented Specimens; CGSB 4.2 Method 11.1 as per ASTM D 3786, CGSB 4.2 Method 11.2 as per ASTM D 6797, CGSB 4.2 Method 12.1 as per ASTM D 2261, CGSB 4.2 Method 12.3 as per ASTM D 1424 (except for: D 2261, D 5587 and D 629), CGSB 4.2 Method 19.1 as per AATCC 61, CGSB 4.2 Method 20 as per AATCC 107, CGSB 4.2 Method 21 as per AATCC 106, CGSB 4.2 Method 22 as per AATCC 8, CGSB 4.2 Method 23 as per AATCC 15, CGSB 4.2 Method 26.2 as per AATCC 22, CGSB 4.2 Method 27.5, CGSB 4.2 Method 29.1 as per AATCC 132, CGSB 4.2 Method 32.1 as per ASTM D 434 or D 1683, CGSB 4.2 Method 32.2 as per ASTM D 1683, CGSB 4.2 Method 35.1 as per AATCC 23, CGSB 4.2 Method 36.1 as per ASTM D 737(except for ASTM F 778),

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	CGSB 4.2 Method 51.2 as per ASTM D 3512, CGSB 4.2 Method 60 as per ASTM D 3939 (except for: ASTM D 1335, D 2724 and D 5362, CGSB 4.2 Method 65), CGSB 4.2 Method 9.1 as per ASTM D 5035 or ASTM D 1682 (except for D 629), CGSB 4.2 Method 9.2 as per ASTM D 5034 or D 1682 (except for D 629); CAN/CGSB 4.2 Textile Test Methods Only for: No. 10-M Elongation, No. 4.4 Determination of Length of Yarns and Threads, 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. 3, No. 4.2, No. 4.3, No. 4.5, No. 24, No. 30.2, No. 30.3, No. 33, No. 39, No. 40, No. 42, No. 47 Part A03, No. 49, No. 56.1, No. 57, No. 63.1 to 63.3, No. 65, No. 66, No. 67, No. 72.1 to 72.3, No. 73.4, No. 73.5; Chrysler LP 463KB 6 01, CMVSS 302/FMVSS 302, UFAC, CPAI 84, California Administrative Code Title 19 Para. 1237.1 and 1237.3, DOC FF-5-74; CAN/ULC Standard S109, S137; ISO Standards 2, 105-A03, 105-B01, 105-B02, 105-C06, 105-D01, 105-E01, 105-E02, 105-E04, 105-G02, 105-X11, 137, 675, 2061, 2313, 3377-2, 4920, 5081, 5082, 6330, 6939, 7211-2, 7211-4;

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	BS Standard 4939; NFPA Standards 99 (only for: par. 3-3.6.6.3 (A)-Static Decay, par 3-3.6.2.7-Surface Resistivity), 260, and 701; California TB 106 (superseded by 16 CFR Part 1632); California TB117 (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 Screening Test), California TB 121, California TB 129, California TB 603 (superseded by 16 CFR Part 1633); 14 CFR Part 25 App F, Part I, 14 CFR Part 25 App F, Part V, 16 CFR Part 1610, 16 CFR Part 1632 (supersedes California TB 106), 16 CFR Part 1633 (supersedes California TB 603)
Thermal insulation	ASTM Standards C 209 (except C 177 and C 1114), C 534/C 534M (except C 177, C 692, C 871 and C 1114), C 547 (except C 177, UL 723 and NFPA 255), C 578, C 591 (except C 177, C 871, C 1114 and D 2856), C 1289 and C 1303, Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC02, AC12 Sections 3.0 and 4.0, AC263 Section 3.0 **Loose fill insulation** ASTM Standards C 520, C 533 (except C 177, C 1114 and C 1616), CAN/ULC-S706 (except CAN/ULC S773)

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Thermal insulation (continued)	**Mineral fiber** ASTM Standards C 553 (except ASTM Standards C 177 and C 1114), C 612 (except ASTM Standard C 177), C 653 (except ASTM Standards C 177 and C 1114), C 665 (except ASTM Standard C 177), C 687 (except ASTM Standards C 177 and C 1114), C 726 (except ASTM Standard C 177), C 764, C 1104/C 1104M and CAN/ULC S702 (except ASTM Standard C 177 and CAN/ULC S129), Test methods referenced in ICC-ES Acceptance Criteria AC187 Sections 3.0 and 4.0 **Organic cellular** CAN/ULC S701 (except ASTM Standard C 177) **Thermal insulating materials** ASTM Standards C 610 (except ASTM Standard C 177), C 656 (except ASTM Standard C 177), C 991 (except ASTM Standards C 177 and C 1258), C 1029 (except ASTM Standards C 177, C 236 and D 2856), C 1382 (except ASTM Standard C 1135), C 1511, C 1559, CAN/ULC S 705.2, S 710.1, S 710.2, S 711.1 (except ASTM Standards C 177 and E 514) and CAN/ULC S 711.2

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Thermal insulation (continued)	**Thermal properties** ASTM Standards C 411, C 518 (except ASTM Standards C 177, C 236, C 976 and C 1114, ISO 8301), C 1101/C 1101M, C 1199 (except ASTM Standards C 177, C 1114, C 236, C 976 and E 783, BS874 Part 3, Sections 3.1 and 3.2, ISO 8990, and ISO 12567), C 1363 (except ASTM Standards C 177, C 1114, C 236 and C 976, ISO 12567, ISO 8990), E 2568 (except ASTM Standards E 2486, E 119, E 2134, E 2485 and NFPA 285); CAN/ULC S 703 (except ASTM C 177, and CAN/ULC S 130), S 704 (except ASTM Standards C 177, C 1114 and D 3985), S 705.1 (except ASTM C 177 and D 2856), S 712.1, S 716.1, S 741, S 742, S 770, S 774 (except ASTM Standard E 741); MIL-I-2781F; NFRC 102, 200, 201, 300, 500 and 500UG; AAMA 1503; ANSI/ASHRAE Standard 55
Roof covering and Water proof membrane	ASTM Standards C 836 (except ASTM Standards C 794, C 1250 and C 1522), C 1304, C 1305, C 1335, D 1970, D 4073, D 4434/D 4434M (except ASTM Standards D 2136, D 5602 and D 5635), D 4541, D 5147 (except ASTM Standards D 95, D 146, D 4977, and D 5636), and E 96/E 96M; CAN/CGSB 51.33-M (except ASTM Standard D 1709 and ISO 1923), CAN/CGSB 51.34-M (except ASTM Standard D 1709, Section 5.7 and ISO 1923), CAN/CGSB 37.54-M (except ASTM Standards G 53, D 1790 and D 2136), CAN/CGSB 37.58-M, CAN/CGSB 51.32 (except ASTM Standard D 828), CSGB 37-GP-52M (except ASTM Standard D 3041), 37-GP-54M (withdrawn), 37-GP-56M (except Sections 7.2.6 and 7.2.10); Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC07, AC38 Section 4.0, AC48 Section 4.0, AC71 Section 3.0, AC213 Section 4.0, AC310 Section 4.0, AC342 Section 3.0

January 27, 2011
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 11/03/2011

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541.

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International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407
(Revised October 26, 2011)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Windows and doors	CGSB 82-GP-3M, 82-GP-4M, AAMA/WDMA/CSA 101/I.S.2/A440; ASTM Standards E 283 (except ASTM Standard E 783), E 330 (except ASTM Standard E 998), E 331, E 547 (except ASTM Standard E 631), E 997, E 1233 (except ASTM Standards E 998 and E 1986) and E 1424 (except ASTM Standard E 783), E 1017, E 2570 (except ASTM Standards E 2134, E 2485 and AATCC 127), F 588 (except glazing impact), F 842 (except glazing impact), F 1233 (except ASTM Standards E 998 and E 1886); CAN/CGSB-12.5-M, 82.1-M, 82.5-M, 82.6-M, CAN/CSA-A440.2; JIS A 4706 (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 and NAFS-1; NFRC 400; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC168
Electrical and Electronic products	**Photovoltaic Devices** CAN/CSA-C61215:01, CEI/IEC 60904-1, 60904-3, 60904-5, 60904-7, 60904-9, 61215, 61646, IEC 60891, IEC 61721, IEC 61730-2 (except Sections 10.5, 10.8 and 11.11), IEC 61829, IEC 62108, UL 1703 (except Sections 31, 37, 38), ULC-ORD-C1703-01 (except Sections 5.14 and 5.21), UL 8703, UL 2703; Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC365 **Appliances** ASHRAE Standards 72 and 117, ASTM Standards A 90/A 90M, CAN/CSA C191, C742, C827, CAN/ULC-S110 (except Sections 4.6.3.2 and 4.6.3.3), CSA C439M

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Electrical and Electronic products (continued)	**Environmental** ASTM Standards E 546 (except ASTM Standard E 77), E 576 (except for ASTM Standard E 77), E 773, E 774 (except ASTM Standard E 1887), E 2189 and E 2190 (except ASTM Standard C 1265); CGSB 1-GP-71, Method 122.1 and 122.13 **Solar and Weathering** ASTM Standards D 518, D 523, D 1149 (except Sections 7 to 14), D 1171 (except ASTM Standard D 4575), D 1499 (except ISO 4892-4), D 2565 (except ASTM Standards D 1293 and ISO 4892-2), D 4459, D 4587, D 4798 (except ASTM Standards D 1670 and D 36), E 408 (Method A), G 152 (except ISO 4892-4), G 153 (except ISO 4892-4), G 154 (except ISO 4892-4), G 155 (except ISO 4892-2, SAE J2412, SAE J2527, ISO 105 B04, ISO 105 B05, ISO 105 B06, ISO 1134), ISO 9806-1, ISO 9806-2, ISO 9806-3, MIL-STD-810E Method 512.3, NISSAN NES M0135, SAE J1885 (cancelled Jan 2008, Superseded by J2412), SAE J1960, J2412, J2527, SRCC 100, SRCC TM-1, SRCC 600, Toyota TSH1585G, JIS D0205 **Solar** ASHRAE 93, CAN/CSA F378, CAN/CSA F379.1 and F379.2, MIL STD 810E (Method 505.3) and 810F (Method 505.4)

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