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PROGRAM CONCEPT

Manufacturers of sealed insulating glass units, consumers, specifiers, and others who are responsible for or concerned with the quality and performance of products purchased in the public interest, recognizing a need for a sound product testing and performance certification program, have jointly established the Insulating Glass Certification Council (IGCC). All IGCC Meetings are open to the public and public participation is encouraged.

IGCC is a non-profit organization which sponsors and directs a program of periodic accelerated laboratory testing and unannounced plant inspections to insure continuing product performance through specified standards. The testing specifications used are outlined in “ASTM E-6 P3 Proposed Specifications for Sealed Insulating Glass”. These specifications basically classify sealed units into three categories; C, B, or A, depending upon durability in the accelerated testing. IGCC recognizes that ASTM E-6 P3 and related test methods E-6 P1 and E-6 P2, are “proposed recommended practices”, not “full” ASTM standards at this time. It is the policy of IGCC to remain flexible in referencing specifications and test methods in order to best reflect changing technology and new developments.

IGCC’s responsibilities through its administrator are to see that periodic inspections and independent laboratory tests are performed on participating manufacturers’ products and to validate the right of that manufacturer to use the IGCC label on his product or product information claims.

Management and control of the program is vested in a Board of Governors made up equally of industry and public interest members. The public interest representatives are empowered with 50 per cent of the voting rights, and can veto any action, regardless of the number present at a meeting. This insures against industry dominance of IGCC action.

The organization is operated in compliance with the American National Standard Practice for Certification Procedures Z34.1-1947 (R1959).

The program is under the supervision of a qualified administrator who is not affiliated with any manufacturer of insulating glass, material supplier, or participating testing laboratory, and is hired by and responsible to the Insulating Glass Certification Council. The manufacturers of the products listed herein have certified that the labeled materials comply with the performance characteristics established by ASTM E-6 P3. The compliance of the manufacturers with the requirements of that specification is validated periodically by the IGCC administrator through inspections and testing by an independent testing laboratory under his direction.

Every manufacturer of insulating glass is eligible and encouraged to apply for the right to use the IGCC label. However, permission to use the label is not granted until an independent laboratory test verifies compliance with the requirements. Once all requirements have been met, each product is assigned an IGCC number to identify the product, performance class, and the factory in which it is made. Throughout the year, IGCC requires the manufacturer to certify that the labels are being used only on units that are produced in the same manner and with the same materials as the tested specimens. Based upon these declarations, IGCC authorizes continued use of the IGCC label and the product listing published in this directory.

The Insulating Glass Certification Council wishes to recognize the substantial contributions made by the Safety Glazing Certification Council; the Sealed Insulating Glass Manufacturers Association, American Society for Testing and Materials, the National Bureau of Standards, FHA, HUD, Public Interest Persons, the Industry, and particularly consumers. Without input from such a broad cross-section, this program would not be possible.
CERTIFIED PRODUCTS

Amsco
Salt Lake City, Utah
IGCC-131

Belknap Glass Company
Seattle, Washington
IGCC-133

Burton Enterprises, Inc.
Cobleskill, New York
IGCC-140

Cardinal Insulated Glass Company
Greenfield, Iowa
IGCC-113

Cardinal Insulated Glass Company
Minneapolis, Minnesota
IGCC-137

Double Seal Glass Company, Inc.
Flint, Michigan
IGCC-136

General Aluminum Corporation
Boise, Idaho
IGCC-138

Havlin-Witkin
Sacramento, California
IGCC-123

Independent Insulating Glass Company
Chicago, Illinois
IGCC-112

Independent Insulating Glass/Southeast
Atlanta, Georgia
IGCC-111

Louisiana-Pacific Corporation
Norton, Ohio
IGCC-127

Mercer Industries, Inc.
Portland, Oregon
IGCC-135

Multipane of New England, Inc.
Newtonville, Massachusetts
IGCC-130

single seal
polysulfide

single seal
dual seal
polyisobutylene/polysulfide
Class C

single seal
dual seal
polyisobutylene/polysulfide
Class CBA

single seal
dual seal
polyisobutylene/polysulfide
Class CBA

single seal
hot melt butyl
Class CBA

single seal
polyisulfide
Class CBA

single seal
dual seal
polyisobutylene/polysulfide
Class CB

single seal
polyisobutylene/polysulfide
Class CB

single seal
polyisobutylene/polysulfide
Class C

single seal
polyisobutylene/polysulfide
Class C

single seal
polyisobutylene/polysulfide
Class C
CERTIFIED PRODUCTS

✓ Ohio Plate Glass Company
  Monroe, Michigan
  IGCC-114
dual seal
polyisobutylene/polysulfide Class CBA

Semling-Menke Company, Inc.
✓ Merrill, Wisconsin
  IGCC-139
single seal
hot melt butyl Class C

Solar Seal Corporation
Stoughton, Massachusetts
  IGCC-117
dual seal
polyisobutylene/polysulfide Class CBA

✓ Southern Wholesale Glass, Inc.
  Marietta, Georgia
  IGCC-141
single seal
polysulfide Class C

Sun*Tek Industries, Inc.
Woodburn, Oregon
  IGCC-122
single seal
polysulfide Class C

Thermoglas
✓ Garland, Texas
  IGCC-129
single seal
polysulfide Class C

Thermoglas
Kansas City, Missouri
  IGCC-128
single seal
polysulfide Class C

Thermoglas
St. Louis, Missouri
  IGCC-142
single seal
polysulfide Class C

Vega Industries Glass Division
Syracuse, New York
  IGCC-132
single seal
polysulfide Class C

Viking Industries, Inc.
Portland, Oregon
  IGCC-121
single seal
polysulfide Class C

✓ Viracon, Inc.
  Owatonna, Minnesota
  IGCC-116
dual seal
polyisobutylene/polysulfide Class CB
  IGCC-120
single seal
polysulfide Class CB

Weather-Shield Glass Division
Medford, Wisconsin
  IGCC-143
single seal
polysulfide Class CB

6 IGCC; February 1, 1979
Representing Public Interest

Mr. Richard C. Elstner, S. E.
Wiss, Janney, Elstner and Associates
330 Pfingsten Road
Northbrook, Illinois 60062
Telephone 312-272-7400

Dr. Mahn Hee Hahn (non voting)
Dennis Industries
19444 St. Johnsbury Lane
Germantown, Maryland 20767
Telephone 301-428-0471

Mrs. Sylvia Lav
98 Princeton Road
Rockville Center, New York 11570
Telephone 516-764-1732

Dr. Joseph E. Minor, P. E.
Institute for Disaster Research
Texas Tech University
P. O. Box 4089
Lubbock, Texas 79409
Telephone 806-742-3523

Dr. Orville L. Pierson
862 Gainsway Road
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Dr. Donald R. Uhlmann
Massachusetts Institute of Technology
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Cambridge, Massachusetts 02139
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Mr. Jerry Wulf
Andersen Corporation
Bayport, Minnesota 55003
Telephone 612-439-5150

Representing Industry

Mr. Irving Feinman
Independent Insulating Glass Company
3145 Columbus Avenue
Chicago, Illinois 60652
Telephone 312-925-2300

Mr. DeWitt W. Markham
Products Research and Chemical Corp.
410 Jersey Avenue
Gloucester City, New Jersey 08030
Telephone 609-456-5700

Mr. James A. Millen
PPG Industries, Inc.
One Gateway Center
Pittsburgh, Pennsylvania 15230
Telephone 412-434-2824

Mr. Roger D. O'Shaughnessy
Cardinal Insulated Glass Company
6700 Excelsior Boulevard
Minneapolis, Minnesota 55406
Telephone 612-935-1722

Mr. Edward F. Scheuereell
Weather-Shield Glass Division
675 East Allman Street
Medford, Wisconsin 54451
Telephone 715-748-2100

Mr. Donald J. Vild
Libbey-Owens-Ford Company
1701 East Broadway
Toledo, Ohio 43605
Telephone 419-247-4231
ROSTER

BOARD OF GOVERNORS

Representing Public Interest
Richard C. Elstner, Wiss, Janney, Elstner
Mahn Hee Hahn, Dennis Ind. (non-voting)
Sylvia Lav, Consumer
Joseph E. Minor, Texas Tech University
Orville L. Pierson, Consumer
Donald Uhlman, M.I.T.
Jerry Wulf, Andersen Corporation

Representing Industry
Irving Feinman, Inde-pane
DeWitt W. Markham, PRC
James A. Millen, PPG Industries
Roger D. O'Shaughnessy, Cardinal
Edward F. Scheuerell, Weather-Shield
Donald J. Vild, Libbey-Owens-Ford

IGCC Officers
Roger O'Shaughnessy, President
Donald J. Vild, Vice President
Richard C. Elstner, Secretary
Orville L. Pierson, Treasurer

IGCC CERTIFICATION COMMITTEE
Donald J. Vild, Chairman
Jerry Wulf, Vice Chairman

Licensee
Amsco
Blomberg Window Systems
Burton Enterprises
C-E Glass
Cardinal Insulated Glass
Economy Glass Corporation
General Glass Corporation
Glastek
Havlin-Witkin
Ideal Company
Inde-pane/Southeast
Le Vitrage Isolant
Libbey-Owens-Ford
PPG Industries
Salem Aluminum Window Company
Semling-Menke Company
Solar Seal
Soule Glass
Southern Wholesale Glass
Twin Pane
Viking Industries
Viracon
Weather-Shield

Primary Member
R. P. Rasmussen
Jerome O. Blomberg
James P. Davidson
Thomas P. Martin
Roger D. O'Shaughnessy
Julius Pearl
Paul Toltz
Jack D. Ferrell
Paul Thompson
Allan J. Cunningham
Irving Feinman
Pierre Chavy (non-voting)
Donald J. Vild
Samuel Saloum, Jr.
George E. Logan
Bert Hout
Frederic P. Shaw, Jr.
Preston J. Richardson
Douglas A. Long
Colin S. Brady
Paul Warner
Harold Landsman
Edward F. Scheuerell

First Alternate
Noel Robertson
Thomas B. Blomberg
Robert F. Erke

Second Alternate
Joseph M. Scalzo
Leroy E. Drake, Jr.
James A. Millen
Sam E. Baldwin
Richard T. McGuire

Members by virtue of being a governor
Wiss. Janney, Elstner
Dennis Industries
Consumer
Texas Tech University
Consumer
M.I.T.
Andersen Corporation

Richard C. Elstner
Mahn Hee Hahn
Sylvia Lav
Joseph E. Minor
Orville L. Pierson
Donald R. Uhlmann
Jerry Wulf

Legal Counsel:
Jenner and Block

Auditor:
Joseph B. Press, CPA

Administrative Manager:
Robert A. Nance

Administrative Staff:
Richard W. Abels
James W. Bailey
Jan Nance

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LICENSEES AND MANUFACTURING PLANTS
Committed to Certification - Testing in Progress

A.B.S. Enterprises, Inc.
148 N. E. 48; P. O. Box 18875
Oklahoma City, Oklahoma 73118
Attention: Mr. B. G. Shook
Plant: Oklahoma City, Oklahoma

Acorn Building Components, Inc.
12620 Westwood Avenue
Detroit, Michigan 48223
Attention: Mr. Joseph DiFazio
Plant: Quincy, Michigan

Amsco
1880 South 1045 Street; P. O. Box 25368
Salt Lake City, Utah 84125
Attention: Mr. R. P. Rasmussen
Plant: Salt Lake City, Utah

Armour World Wide Glass Company
9401 Ann Street
Santa Fe Springs, California 90670
Attention: Mr. Jay Russell
Plant: Santa Fe Springs, California

Belknap Glass Company
1000 Valley Street; P. O. Box 3896
Seattle, Washington 98124
Attention: Mr. Charles M. Anderson
Plant: Kent, Washington

Bennett's
2131 South 300 West
Salt Lake City, Utah 84115
Attention: Mr. William E. Black
Plant: Idaho Falls, Idaho

Better Thermo Unit 2 + 2
1530 Landmeier Road
Elk Grove Village, Illinois 60007
Attention: Mr. Robert Trapp
Plant: Elk Grove Village, Illinois

Blomberg Window Systems
1395 Blair Avenue; P. O. Box 22485
Sacramento, California 95822
Attention: Mr. Thomas B. Blomberg
Plant: Sacramento, California

Burton Enterprises, Inc.
MacArthur Avenue
Cobleskill, New York 12043
Attention: Ms. Colleen Joyce
Plant: Cobleskill, New York

C-E Glass
825 Hylton Road
Pennsauken, New Jersey 08110
Attention: Mr. Thomas P. Martin
Plants: Pennsauken, New Jersey
Stone Mountain, Georgia
Warrerton, Missouri

Cardinal Insulated Glass Company
6700 Excelsior Boulevard
Minneapolis, Minnesota 55426
Attention: Mr. Roger D. O'Shaughnessy
Plants: Greenfield, Iowa
Minneapolis, Minnesota

Chrome-A-Seal Insulating Glass
725 Varick Street
Utica, New York 13502
Attention: Mr. Philip Talento
Plant: Rome, New York

Delaware Valley Insulating Glass Company
1100 Ferry Avenue
Camden, New Jersey 08104
Attention: Mr. Malcolm Farbstein
Plant: Camden, New Jersey
LICENSEEES AND MANUFACTURING PLANTS
Committed to Certification - Testing in Progress

Dorco Manufacturing Company, Inc.
591 North Council Street
Gallatin, Tennessee 37066
Attention: Mr. Ray Dorris
Plant: Gallatin, Tennessee

Fentron Industries, Inc.
2801 N. W. Market Street
Seattle, Washington 98107
Attention: Mr. John A. Hartsock
Plant: Seattle, Washington

Double Seal Glass Company, Inc.
1976 Bagwell Avenue; P. O. Box 1036
Flint, Michigan 48501
Attention: Mr. Edmund C. Mogford, Jr.
Plant: Flint, Michigan

General Aluminum Corporation
1001 West Crosby Road; P. O. Box 34221
Carrollton, Texas 75006
Attention: Mr. Charles McEvoy
Plants: Boise, Idaho
Carrollton, Texas

Economy Glass Corporation
315 Columbus Avenue
Boston, Massachusetts 02116
Attention: Mr. Julius Pearl
Plant: Boston, Massachusetts

General Glass Corporation
1855 29 Street; P. O. Box 5511
Denver, Colorado 80217
Attention: Mr. Paul Toltz
Plant: Denver, Colorado

Econopane Insulating Glass Company, Inc.
P. O. Box 49
Lewistown, Pennsylvania 17044
Attention: Mr. Charles E. Childers
Plant: Lewistown, Pennsylvania

Glastek, Inc.
5305 West 84 Street; P. O. Box 68504
Indianapolis, Indiana 46268
Attention: Mr. Paul Davis
Plant: Indianapolis, Indiana

Efco Corporation
200 West Dairy Street; P. O. Box 311
Monett, Missouri 65708
Attention: Mr. William Terry Fuldner
Plant: Monett, Missouri

Haylin-Witkin Sacramento
160 Main Avenue
Sacramento, California 95838
Attention: Mr. Paul Thompson
Plant: Sacramento, California

Ellstrom Manufacturing, Inc.
1540 N. W. Ballard Way
Seattle, Washington 98107
Attention: Mr. Sven Ellstrom
Plant: Seattle, Washington

Ideal Company
2400 Franklin Avenue
Waco, Texas 76703
Attention: Mr. Allan J. Cunningham
Plant: Waco, Texas

F. G. M. Glass Distributors, Inc.
895 Motor Parkway
Hauppauge, New York 11787
Attention: Mr. Charles Kaplanek, Jr.
Plant: Hauppauge, New York

Illinois Valley Glass and Mirror Company
3300-10 N. E. Adams Street
Peoria, Illinois 61603
Attention: Mr. Warren R. Watkins
Plant: Peoria, Illinois
LICENSEEES AND MANUFACTURING PLANTS
Committed to Certification - Testing in Progress

Independent Insulating Glass Company
3145 Columbus Avenue
Chicago, Illinois 60652
Attention: Mr. Irving Feinman

Plant: Chicago, Illinois

Independent Insulating Glass/Southeast
520-B Wharton Circle S. W.
Atlanta, Georgia 30336
Attention: Mr. J. M. Scalzo

Plant: Atlanta, Georgia

Linford Brothers Glass Company
1245 South 700 West; P. O. Box 419
Salt Lake City, Utah 84110
Attention: Mr. Newel H. Linford

Plant: Salt Lake City, Utah

Living Windows Corporation
13211 Old Westheimer Road
Houston, Texas 77036
Attention: Mr. Dave Thompson

Plant: Houston, Texas

Keller Industries, Inc.
18000 State Road Nine
Miami, Florida 33162
Attention: Mr. Don Shaeffer

Plants: Berea, Kentucky
Merced, California
Milford, Virginia
Woodville, Texas

Louisiana-Pacific Corporation
4409 South Cleveland Massillon Road
Norton, Ohio 44203
Attention: Mr. William F. Harder

Plant: Norton, Ohio

Kensington Manufacturing Company
Schreiber Industrial District
New Kensington, Pennsylvania 15068
Attention: Mr. James W. Beran

Plant: New Kensington, Pennsylvania

Le Vitrage Isolant S. A.
Zone Industrielle
Gaillefontaine, France 76870
Attention: Mr. Pierre Chavy

Plant: Gaillefontaine, France

Libbey-Owens-Ford Company
1701 East Broadway
Toledo, Ohio 43605
Attention: Mr. Donald J. Vild

Plant: Clinton, North Carolina

Mercer Industries, Inc.
2636 N. W. Twenty-sixth
Portland, Oregon 97210
Attention: Mr. Bill Berger

Plant: Portland, Oregon

Milgard Manufacturing, Inc.
1010 - 54 Avenue, East
Tacoma, Washington 98424
Attention: Mr. James A. Milgard

Plant: Tacoma, Washington

Multipane of New England, Inc.
105 Norwood Avenue
Newtonville, Massachusetts 02160
Attention: Mr. Marc G. Lemoyne

Plant: Newtonville, Massachusetts
Norco Windows, Inc.
P. O. Box 309
Hawkins, Wisconsin 54530
Attention: Mr. Howard Linskey
Plant: Hawkins, Wisconsin

North American Manufacturing, Inc.
551 Concord Street
Holliston, Massachusetts 01746
Attention: Mr. George P. Sullivan
Plant: Holliston, Massachusetts

Ohio Plate Glass Company
601 Detroit Avenue; P. O. Box 208
Monroe, Michigan 48161
Attention: Mr. Richard M. Hutchison
Plant: Monroe, Michigan

PPG Industries, Inc.
1000 RIDC Plaza; P. O. Box 2811
Pittsburgh, Pennsylvania 15230
Attention: Mr. Samuel Saloum, Jr.
Plants: Dallas, Texas
Ford City, Pennsylvania

Salem Aluminum Window Company, Inc.
1337 Madison Street, N. E.
Salem, Oregon 97303
Attention: Mr. George E. Logan
Plant: Salem, Oregon

Semling-Menke Company, Inc.
South Nast Street
Merrill, Wisconsin 54452
Attention: Mr. John P. Semling
Plant: Merrill, Wisconsin

Solar Seal Corporation
213 Turnpike Street
Stoughton, Massachusetts 02072
Attention: Mr. Frederic P. Shaw, Jr.
Plant: Stoughton, Massachusetts

Solar Seal South, Inc.
100 South Leadbetter Road
Ashland, Virginia 23005
Attention: Mr. Paul W. Homer
Plant: Ashland, Virginia

Soule Glass Industries
89 Hildreth Street
Bangor, Maine 04410
Attention: Mr. Charles P. Soule
Plant: Bangor, Maine

Southern Wholesale Glass, Inc.
3200 Austell Road
Marietta, Georgia 30060
Attention: Mr. Douglas A. Long
Plant: Marietta, Georgia

Sun*Tek Industries, Inc.
5 Progress Way; P. O. Box 233
Woodburn, Oregon 97071
Attention: Mr. Ken Hewlett
Plant: Woodburn, Oregon

Thermoglas
5405 N. W. Fifth
Oklahoma City, Oklahoma 73127
Attention: Mr. Ben F. Little
Plants: Denver, Colorado
Garland, Texas
Kansas City, Missouri
Oklahoma City, Oklahoma
Omaha, Nebraska
St. Louis, Missouri

Twin Pane
31251 Industrial Road
Livonia, Michigan 48150
Attention: Mr. Colin S. Brady
Plants: Addison, Illinois
Livonia, Michigan
Taylors, South Carolina
ULtralum
960 Seville Road
Wadsworth, Ohio 44281
Attention: Mr. Gordon Miles

Plant: Wadsworth, Ohio

Vega Industries Glass Division
4019 New Court Avenue
Syracuse, New York 13206
Attention: Mr. James J. Dwyer

Plant: Syracuse, New York

Viking Industries, Inc.
18600 N. E. Wilkes Road
Portland, Oregon 97220
Attention: Mr. Paul Warner

Plant: Portland, Oregon

Viracon, Inc.
800 Park Drive
Owatonna, Minnesota 55060
Attention: Mr. Harold Landsman

Plants: Bensenville, Illinois
       Owatonna, Minnesota

Weather Shield Glass Division
675 East Allman Street
Medford, Wisconsin 54451
Attention: Mr. Edward F. Scheuerell

Plant: Medford, Wisconsin

Western Insulated Glass Company
1030 North 22 Avenue
Phoenix, Arizona 85009
Attention: Mr. Donald C. Egly

Plant: Phoenix, Arizona

*************************************************
Participants (Suppliers)

Allmetal, Inc.
636 Thomas Drive
Bensenville, Illinois 60106
Mr. Richard E. Andresen

Eagle Chemical Company, Inc.
P. O. Box 8116
Cincinnati, Ohio 45208
Mrs. Mercedes Robbert

Essex Chemical Corporation
One Crossman Road, South
Sayreville, New Jersey 08872
Mr. R. R. Grantham

W. R. Grace and Company
P. O. Box 2117
Baltimore, Maryland 21203
Mr. A. R. Barbare

Hygrade Metal Moulding Manufacturing Corporation
540 Smith Street
Farmingdale, New York 11735
Mr. Jack Stern

Inmont Corporation
1218 Central Industrial Drive
St. Louis, Missouri 62110
Mr. G. Michael Beers
Mr. Thomas F. Toomey

Insulating Glass Systems
340 Vista Park Drive
Pittsburgh, Pennsylvania 15205
Mr. Vincent P. Sadlek

LaPorte Industries, Ltd.
Luton, Bedfordshire
United Kingdom LU4 8EW
Mr. Alan Jarvis

Norton Company
Interstate 290 Industrial Park
Northboro, Massachusetts 01532
Mr. L. D. Donovan

Products Research and Chemical Corporation
410 Jersey Avenue
Gloucester City, New Jersey 08030
Mr. DeWitt W. Markham

Rhodia
P. O. Box 125
Monmouth Junction, New Jersey 08852
Mr. Thomas LaBue

Thiokol Corporation
930 Lower Ferry Road
Trenton, New Jersey 08650
Mr. Armen D. Yazujian

Union Carbide Corporation
308 Harper Drive
Moorrestown, New Jersey 08057
Mr. Gary I. Mankin

Tremco, Inc.
10701 Shaker Boulevard
Cleveland, Ohio 44104
Mr. James A. Box
Mr. William J. Golla

Participants (Non Suppliers)

Andersen Corporation
Bayport, Minnesota 55082
Mr. Jerry Wulf

Architectural Testing, Inc.
1360 North George Street
York, Pennsylvania 17404
Mr. Ancel L. Lee, Jr.

Mr. Donald J. Conwell
2409 Olson Drive
Kettering, Ohio 45420

Mr. A. Risher Hall
134 Dorchester Drive
Vincentown, New Jersey 08088

Dr. Mahn Hee Hahn
19444 St. Johnsbury Lane
Germantown, Maryland 20767

Mrs. Sylvia Lav
98 Princeton Road
Rockville Center, New York 11570

Dr. Donald R. Uhlmann
Massachusetts Institute of Technology
Building 13-4005
Cambridge, Massachusetts 02139

Dr. Orville L. Pierson
862 Gairsway Road
Yardley, Pennsylvania 19067

Jim Spetz Testing Laboratory
29308 Armadae Avenue
Wickliffe, Ohio 44092
Mr. James L. Spetz

Dr. Joseph E. Minor
Texas Tech University
Institute for Disaster Research
P. O. Box 4089
Lubbock, Texas 79409

Mr. Alonzo S. Westbrook
Suite 1100
One Commerce Place
Nashville, Tennessee 37219

Wiss, Janney, Elstner and Associates
330 Pflingsten Road
Northbrook, Illinois 60062
Mr. Richard C. Elstner
IGCC LABEL REQUIREMENTS

The IGCC certification label must be permanently marked on a visible portion of each sealed insulating glass unit or it is not certified by the manufacturer to IGCC. The label shall be etched, sand blasted, embossed, printed, painted or otherwise permanently marked on the spacer or at least one component pane of the sealed unit. This label must be visible after installation in the building.
The IGCC permanent label must be in block capital letters and have a minimum height of 0.050 inches.
The IGCC permanent label must contain the IGCC number, CBA, CB or C and a date code spanning no more than a six month period, plus or minus one month and commencing with the beginning of each calendar year (effective for both the beginning and ending of each period). The IGCC permanent label must be affixed to certified products only at the time and place of manufacture. Outdated spacers may be hand stamped to bring the label up to date.
The permanent label must be affixed only to sealed insulating glass units of the licensee’s own manufacture, which has been certified by the manufacturer to IGCC.
The permanent label must not be sold, transferred or otherwise disposed of in any manner other than being affixed to the licensee’s certified production.
The permanent label must not be affixed to any product from which certification has been withdrawn or which is produced with a process basically different from the one used when certification was obtained.

Example of Minimum Labels:

IGCC-666 CBA  F79
Class CB
IGCC-987
F 79
IGCC APPROVED LABORATORIES PRESENTLY CONDUCTING TESTS

P-1

Bowser-Morner Testing Laboratories  
420 Davis Avenue  
Dayton, Ohio 45401  
Attention: Mr. R. J. Rosencrans  

Telephone 513-253-8805

ETL Testing Laboratories, Inc.  
Route 11 Industrial Park  
Cortland, New York 13045  
Attention: Mr. Claude F. Robb

Telephone 607-753-6711

P-2

Architectural Testing, Inc.  
1360 North George Street  
York, Pennsylvania 17404  
Attention: Mr. Ancel L. Lee, Jr., P. E.

Telephone 717-846-7700

Jim Spetz Testing Laboratory  
29308 Armadale Avenue  
Wickliffe, Ohio 44092  
Attention: Mr. James L. Spetz

Telephone 216-944-3665

ETL Testing Laboratories, Inc.  
Route 11 Industrial Park  
Cortland, New York 13045  
Attention: Mr. Claude F. Robb

Telephone 607-753-6711

* * * * * * * * * * * * * * * * * * * * *
INSULATING GLASS CERTIFICATION COUNCIL, INC.
CERTIFICATION PROGRAM
for
SEALED INSULATING GLASS UNITS
LICENSE AGREEMENT

This agreement, made this day of __________, 19__, by and between INSULATING GLASS CERTIFICATION COUNCIL, INC., a corporation having its principal office at 1640 West 32 Place; Hialeah, Florida 33012, hereinafter called "LICENSOR" and

having its principal office at hereinafter called "LICENSEE".

WINNETH

WHEREAS, Licensor is sponsoring a Certification Program for insulating glass units, which will provide for the validation of the certification of such products by means of independent laboratory testing to the requirements of the Specification(s) and applicable Test Method(s) as outlined in Appendix B of the American Society for Testing and Materials Standard Specification for Insulating Glass Units, A-157-59, and as confirmed by the IGCC Administrator.

WHEREAS, the responsibilities of IGCC, the IGCC Administrator and the independent laboratories are limited to the tasks as set forth in this Certification Program.

WHEREAS, the certification requirements and the terms set forth herein shall apply to all products manufactured and distributed by the Licensee.

WHEREAS, the Licensee's registered and licensed units shall be permitted to be affixed to the Certification Label and used in conjunction with the Certification Program.

WHEREAS, the Administrator shall contract for the complete administration of the Certification Program and the Administrator shall include in the contract for services with independent laboratories which meet the ethical, financial, and business experience standards of the American Council of Independent Laboratories or National Society of Professional Engineers for performance of tests and other administrative duties as are herein provided.

WHEREAS, the Licensee shall appoint a "Certification Committee" comprised of representatives of Licensees and the Public Interest members of the Board of Governors which shall confer with the Administrator and Licensees and interested parties. Meetings of the Committee shall be called by the Chairman of the Certification Committee at least twice each year; and

WHEREAS, the procedural guide, to be developed in accordance with paragraph 8.4 shall be adhered to by the Licensee and the Administrator.

WHEREAS, the Administrator shall conduct all aspects of the program in accordance with the highest nationally recognized standards for conduct of such a program including but not limited to ANSI Z25.1, 1959.

WHEREAS, Licensee is willing to participate in and support said program under the terms and conditions set forth in the Agreement.

Therefore, it is RESOLVED, that it is agreed by and between the parties hereto as follows: LICENSEE

A.1 Shall, upon the signing of this Agreement, have the same person or authorized agent sign this Agreement on behalf of the manufacturer or individual designated by such person who is a member of the IGCC Administrator.

A.2 Shall authorize the administrator's representative, without prior notice, to have access to the plant, equipment, and records of the manufacturer.

A.3 Shall be held to the same standards and procedures as the manufacturer.

A.4 Shall be subject to the same penalties as the manufacturer.

A.5 Shall be subject to the same penalties as the manufacturer.

A.6 Shall be subject to the same penalties as the manufacturer.

A.7 Shall be subject to the same penalties as the manufacturer.

A.8 Shall be subject to the same penalties as the manufacturer.

A.9 Shall be subject to the same penalties as the manufacturer.

A.10 Shall be subject to the same penalties as the manufacturer.

A.11 Shall be subject to the same penalties as the manufacturer.

A.12 Shall be subject to the same penalties as the manufacturer.

A.13 Shall be subject to the same penalties as the manufacturer.

A.14 Shall be subject to the same penalties as the manufacturer.

A.15 Shall be subject to the same penalties as the manufacturer.

A.16 Shall be subject to the same penalties as the manufacturer.

A.17 Shall be subject to the same penalties as the manufacturer.

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such material is furnished others, copies of its catalogs and other literature excluding any, and all instruction, which such material lists Licensee's products certified hereunder.
A.18 Shall abide by and comply with all procedural details which the Administrator may prescribe for the implementation of the Certification Program, provided that such procedural details are not inconsistent with the purposes of this License Agreement.
A.19 Shall have the right, at its discretion, to designate a nominee from Licensee's organization for consideration by the Board of Governors for appointment to the Certification Committee.
LICENSEE:
B.1 Shall prepare and publish at least twice each year, with such interim supplements as may be desirable, a Certification Directory containing a listing of the Certified Insulating Glass Products which have been found by test to be in compliance with requirements of each Licensee then in good standing herewith. This Directory shall include the Licensee's assigned Certification Number, Name, Location and qualified class or classes (CB).
B.2 Shall promptly mail substantial quantities of each Directory and supplements to door, sash, and building products manufacturers, glazing contractors, home builders, architects, regulatory agencies and code making groups, and publicize the Directory to trade publications.
B.3 Shall provide and maintain a list of approved laboratories qualified to perform tests required hereunder and to authorize tests herewith specified. Said list of approved laboratories is to be developed by the Certification Committee.
B.4 Shall prepare and maintain a procedural guide and the standard forms which may be adopted for use by the Licensee and the approved laboratories in connection with the operation of the Certification Program.
B.5 Shall provide that all test reports and correspondence with Licensees, and others, relating to Licensee's products or tests of such products, or their representation, shall be in a confidential manner to affect proper listing in the Certification Directory.
B.6 Shall not list in or remove from the Certification Directory or any product of Licensee except upon due notification from the Administrator to do so, except as provided in paragraph A.7 above or because Licensee fails to pay test fees as provided in paragraph A.12 above.
B.7 Shall enter into a contract with an independent agency, whereby this independent agency will act as Administrator of the Certification Program for and on behalf of Licensee, to provide and authorize all sampling and testing, review and approve test data, perform periodic evaluations or other duties and functions herein provided for.
IT IS FURTHER AGREED THAT:
C.1 A Certification test hereunder denotes and is limited to a test in accordance with the requirements of the appropriate specifications and related test methods.
C.2 Each branch or affiliated plant of each manufacturer must be registered individually and products therefrom tested and certified separately and apart from products manufactured in other plants or branches of any manufacturer.
C.3 A procedure for handling complaints of non-compliance which provides for sales of the product to be provided by Licensee in a specified manner for repetition of tests within thirty (30) days, the total cost of which, including test specimens, is to be borne by the complainant, unless the test proves non-compliance, in which case the costs will be borne by the Licensee, the tests to be initiated by the Licensee promptly upon receipt of a complaint in writing along with the appropriate surety deposit.
C.4 This Agreement shall become effective upon the date of signing and shall continue for a period of 12 months and shall be renewed automatically for successive periods of 12 months each, unless Licensee or Licensor.

at least sixty (60) days prior to the date of expiration, gives notice in writing that it desires to cancel this Agreement or unless revoked by Licensor for causes set forth in this Agreement.
C.5 If this Agreement is terminated, then upon the effective date of such termination, Licensee shall return to Licensor the Certifica-
tion Labels to any product which Licensee shall thereafter manufacture; and b) Make no further reference to or use of Licensor's Certification Program or registration labels.
C.6 Licensor, in the event it shall be necessary to exclude Licensee from the participation in the Certification Program in accordance with this Agreement, may do so by giving Licensee thirty (30) days written notice of Licensee's termination of the License Agreement.
C.7 The interpretation of this Agreement and the parties performance hereunder shall be governed by the laws of the State of Florida and both parties acknowledge and agree that any and all actions brought by Licensee or Licensor for the enforcement of any right or remedy hereunder must be instituted in the Court having jurisdiction thereof located in the State of Florida.
C.8 In the event any part or parts of this Agreement are found to be void, the remaining provisions shall nevertheless be binding with the same effect as though the void parts were deleted.
C.9 The use of any IGCC Certification Label or registered participant's label on any unqualified product, or the use of any such registered Certification Label by a manufacturing or assembly or other facility other than that registered will not be permitted by Licensee.
C.10 The Licensee will not use the Licensee reasonable attorney's fees, including attorney's fees for services in appellate proceedings, occasioned by reason of Licensee's breach of any of the terms of this Agreement, pro-
vided that Licensees breach shall have been determined by judgment of a court of competent jurisdiction and if such judgment be appealable that the time for Licensee's appeal therefrom is terminated. This shall not be construed so as to prohibit out of court settlements.
C.11 In the event Licensor promptly notifies all those to whom it has
sent the then most recent issue of the Certification Directory or supple-
ment thereto, as well as the national Better Business Bureau and the trade press, regarding any incorrect listing or reference to Licensee's product published in any Certification Directory, supplement thereto, or elsewhere, Licensee agrees not to hold Licensor liable in any way for any damage caused by such incorrect listing or reference, unless such damage was the result of an intentional tort, willful act, or gross negligence by Licensor.
C.12 Licensee accepts not to hold Licensor liable in any way for any damage caused by such incorrect listing or reference, unless such damage was the result of an intentional tort, willful act, or gross negligence by Licensor.
C.13 Neither party shall make use of the other's trademarks, trade names or names in any manner without the prior written approval of the other. This section shall be given effect by the parties to the terms of this Agreement, to state that the Licensee is a participant in this Certification Program.
This LICENSE AGREEMENT may not be transferred, assigned, nor otherwise disposed of to any other company, individual, or successor company.

LICENSEE:

Company

Street Address

City and State Zip

By Title Date

Title

Date

Same person must have notarized signature on Appendix A.

LICENSEOR: Insulating Glass Certification Council, Inc.

By Title Date

Title

Date

Sign and mail 2 copies to:
Insulating Glass Certification Council
1640 West 32 Place; Hialeah, Florida 33012

A copy signed by Licensor will be returned to Licensee.

18 IGCC: February 1, 1979
IGCC License Agreement

APPENDIX A

INSULATING GLASS CERTIFICATION COUNCIL
CERTIFICATION PROGRAM
for
SEALED INSULATING GLASS UNITS

AFFIDAVIT (Execute one copy for each model)

The undersigned hereby certify and state, on behalf of Licensee:

__________________________________________________________, located at:

__________________________________________________________, that all of its Insulating
Glass Units, described herein and submitted for validation under the Insulating Glass
Certification Council Certification Program and to which registered Certification Labels
will be affixed by said Licensee, will be produced in the same manner and to the same
specifications as the test specimens submitted to and successfully passed by the author-
ized testing laboratory and within the guidelines as defined in the Procedural Guide.

FOR LICENSEE: ___________________________ (Must be same signature as License Agreement and notarized below)

________________________________________ (Title)

Licensee Engineer or other designee:

________________________________________ (Name)

Model to be certified; Describe briefly:

________________________________________

Attach additional sheets if necessary.

________________________________________

________________________________________

Test method to be used (check one)  ASTM E6-P1 __________

Test laboratory to be used  ASTM E6-P2 __________

Specification Class(es) to be tested to:  ASTM E6-P3

Class C __________

Class B __________

Class A __________

State of )

County of )

SS

On this ______ day of ______________, 19 ___, before me personally appeared
________________________________________, who, being first duly sworn, declared the facts set
forth in the foregoing statement to be true and correct to the best of their knowl-
edge and belief.

________________________________________ (Notary Public)

Mail original to Insulating Glass Certification Council, 1640 West 32 Place,
Hialeah, Florida 33012. (Retain one copy)
IGCC License Agreement

Appendix B

INSULATING GLASS CERTIFICATION COUNCIL
for
SEALED INSULATING GLASS UNITS

SCHEDULE OF FEES

Twelve months fee per item to be listed in the certified products directory. Payable in advance.

<table>
<thead>
<tr>
<th></th>
<th>Contingency Fund</th>
<th>Administrative Fee</th>
<th>Test Fee</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>First model at a plant</td>
<td>$100.00</td>
<td>$557.50</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Each subsequent model at a plant</td>
<td>none</td>
<td>90.00</td>
<td></td>
<td>*</td>
</tr>
</tbody>
</table>

* determine from attached sheet of testing laboratory fees (add to contingency fund and administrative fee to determine amount to be paid directly to IGCC for each Appendix A).

ALL FEES MUST BE PAID DIRECTLY TO IGCC IN U. S. DOLLARS AT PAR.

Insulating Glass Certification Council
1640 West 32 Place
Hialeah, Florida 33012

Telephone 305-558-1480

Effective July 1, 1978
Formal applications have been received from the following testing laboratories:

<table>
<thead>
<tr>
<th>Class</th>
<th>P-1</th>
<th>P-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Testing, Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1360 North George Street</td>
<td>C</td>
<td>$390 *</td>
</tr>
<tr>
<td>York, Pennsylvania 17404</td>
<td>CB</td>
<td>690 *</td>
</tr>
<tr>
<td>Attention: Mr. Ancel L. Lee, Jr., P. E.</td>
<td>CBA</td>
<td>990 *</td>
</tr>
<tr>
<td>Bowser-Morner Testing Laboratories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>420 Davis Avenue</td>
<td>C</td>
<td>$585</td>
</tr>
<tr>
<td>Dayton, Ohio 45401</td>
<td>CB</td>
<td>690</td>
</tr>
<tr>
<td>Attention: Mr. R. J. Rosencrans</td>
<td>CBA</td>
<td>795</td>
</tr>
<tr>
<td>ETL Testing Laboratories, Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Route 11 Industrial Park</td>
<td>C</td>
<td>$450</td>
</tr>
<tr>
<td>Cortland, New York 13045</td>
<td>CB</td>
<td>750</td>
</tr>
<tr>
<td>Attention: Mr. Claude F. Robb</td>
<td>CBA</td>
<td>1050</td>
</tr>
<tr>
<td><strong>Quantity Discount:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3 or more products) (CBA only)</td>
<td>C</td>
<td>$450</td>
</tr>
<tr>
<td></td>
<td>CB</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>CBA</td>
<td>850</td>
</tr>
<tr>
<td>Inspection and Research Laboratory, Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4749 West State Street; Building H</td>
<td>C</td>
<td>not available</td>
</tr>
<tr>
<td>Ontario, California 91761</td>
<td>CB</td>
<td>available</td>
</tr>
<tr>
<td>Attention: Mr. W. Bradford Smith</td>
<td>CBA</td>
<td></td>
</tr>
<tr>
<td>Institute for Research, Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8330 Westglen Drive</td>
<td>C</td>
<td>$600 *</td>
</tr>
<tr>
<td>Houston, Texas 77063</td>
<td>CB</td>
<td>900 *</td>
</tr>
<tr>
<td>Attention: Dr. Benjamin Mosier</td>
<td>CBA</td>
<td>1200 *</td>
</tr>
<tr>
<td>National Certified Testing Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4590 Eisenhower Avenue</td>
<td>C</td>
<td>not available</td>
</tr>
<tr>
<td>Alexandria, Virginia 22304</td>
<td>CB</td>
<td>available</td>
</tr>
<tr>
<td>Attention: Mr. Dale E. Hein, P. E.</td>
<td>CBA</td>
<td></td>
</tr>
<tr>
<td>Jim Spetz Testing Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29308 Armadale Avenue</td>
<td>C</td>
<td>not available</td>
</tr>
<tr>
<td>Wickliffe, Ohio 44092</td>
<td>CB</td>
<td>available</td>
</tr>
<tr>
<td>Attention: Mr. James L. Spetz</td>
<td>CBA</td>
<td></td>
</tr>
</tbody>
</table>

* Equipment not completed and operating as of February 1, 1979.
A GUIDELINE FOR YOUR ASSISTANCE IN ADVERTISING YOUR PRODUCTS AND THEIR CERTIFICATION STATUS UNDER THE INSULATING GLASS CERTIFICATION COUNCIL ("IGCC") CERTIFICATION PROGRAM:

The following concepts are important to remember whether you are a Participant or Licensee in the IGCC Certification Program, or supplier to the sealed insulating glass industry. This discussion is intended to provide you with an accurate background description of the IGCC Certification Program, to help you avoid making possibly misleading, deceptive, or ambiguous statements regarding the Program in the advertising of your products.

1. IGCC is the sponsor of a Certification Program. IGCC does not certify products.

2. The Administrator inspects laboratories and checks their equipment; inspects Licensees' production and fabrication of specimens; and validates test reports and certification claims.

3. Laboratories test specimens to specific test methods and specifications, referenced by IGCC.

4. Manufacturer/Licensees "certify" their products, affirming that their products are constructed similarly to specimens which were inspected, tested and found to pass the stated criteria. A Licensee's Certification Statement is the imprinting, sandblasting, etching or other form of permanent marking of an IGCC Certification Program designation and number to its product.

5. IGCC does not have "members", inasmuch as the term "members" carries with it a connotation that some detailed criteria must be met in order to participate in the organization. Under the IGCC concept, anyone can participate, and "participants" simply must possess a "legitimate interest in the purposes of IGCC". Manufacturers, on the other hand, which are "fabricators of sealed insulating glass units", become Participants by virtue of executing a License Agreement with IGCC. Any manufacturer of insulating glass may voluntarily enter into a license agreement with IGCC, provided it intends to certify at least one product under the IGCC Certification Program. Thus, the proper term to use for a manufacturer Participant is Licensee.

6. Unit specimens, not their components, are tested under the IGCC Program. Thus, if you are a supplier to the industry, statements indicating that your components have complied with the test methods would be incorrect. A better nomenclature for example, would be, that "Units tested to ASTM E6-P3 containing our X component have been found to meet the requirements of Class Y".

Credibility in Industry Certification through Active Public Participation.

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7. For clarity, it is well to remember that the test methods and specifications referenced by IGCC are “proposed” by ASTM, and have not reached full standard status as yet. In advertising, it would be well to quote the term “proposed”, or to emphasize the proposed condition in some way. In order to better describe the ASTM test methods and specifications being used by IGCC, listed below is the actual specification (and test methods) which you may want to reference:

1) Specification: ASTM E6-P3 “Proposed Specification for Sealed Insulating Glass Units”. ASTM E6-P3 sets forth classifications by virtue of the durability of time in test as applied to either of the two test methods. These classifications are Class CBA, Class CB and Class C.

The test methods to be applied to the above specification are:

1) Test Method: ASTM E6-P1, “Proposed Recommended Practices for Testing Seal Longevity of Sealed Insulating Glass Units”; or


8. Should you have any questions concerning the IGCC Certification Program, please contact:

Mr. Robert A. Nance, P. E.
Administrative Manager
Insulating Glass Certification Council
1640 West 32 Place
Hialeah, Florida 33012
Telephone: 305-558-1480
PROCEDURAL GUIDE

INSULATING GLASS CERTIFICATION COUNCIL
CERTIFICATION PROGRAM FOR SEALED INSULATING GLASS

FOREWORD

Acceptance of certified sealed insulating glass comes with the conviction that such certification assures a high level of quality and the integrity of the identifying mark or certification label is being reliably maintained by a competent certifying agency.

The proposed ASTM specification for sealed insulating glass provides a sound technical basis for the required quality of sealed insulating glass. With the addition of independent administration plus periodic routine implant visits and product evaluation, a program of product certification is developed in accordance with the accepted American National Standards as contained in American National Standards Z34.1. The certification program described here is predicated upon the concept of independent and impartial administration of the certification procedures in the IGCC license agreement.

To insure administration of the certification program in a uniform and equitable manner, this procedural guide has been prepared for the information and guidance of the licensees.

It should be noted that the IGCC license agreement is the governing document for operation of the certification program. This procedural guide, which is not an extension of that document, serves merely to describe the administrative procedures and routine operation of the certification program.

GENERAL INFORMATION

The Certification Concept

The IGCC certification program is based upon the conviction that no standard of quality is good without the continuous adherence of the licensees to that standard.

To buyers, specifiers, code officials and users, the IGCC certification label offers the manufacturer’s assurance that his sealed insulating glass units have been produced in conformance to the proposed ASTM specification E6-P3.

Who Can Participate?

Every manufacturer of sealed insulating glass is eligible, on a voluntary basis, to participate.

Who Conducts the Program?

The Insulating Glass Certification Council, a non-profit corporation, is the sponsor of this certification program. IGCC supervises the certification program under which the administrator periodically checks and reports compliance of the manufacturers of products having the IGCC certification label.

Administration

Certification Services Corporation (CSC), is the independent administrator of the certification program. CSC maintains the IGCC office of certification and handles the routine day to day business. All transactions are done in the name of IGCC.

How Can You Become a Licensee?

Either of the two following steps must be accomplished before IGCC can allow a manufacturer to certify an item in the IGCC program:

Regular Program

a) The manufacturer signs two copies of the IGCC license agreement (including notarization of the Affidavit, Appendix A) and sends these to IGCC. IGCC will countersign both copies and return one to the licensee.

b) The licensee sends to IGCC the twelve month certification fee (including the test laboratory fee).

c) The Appendix A contains a description of the model which is to be certified.
d) Within 120 days IGCC visits the manufacturing location and determines to its satisfaction that the sealed insulating glass units being manufactured are in fact truly represented by the declaration of Appendix A as to the model. Once this is established, IGCC asks the manufacturer to produce twelve test specimens. The manufacture of these twelve test specimens is witnessed by IGCC and IGCC verifies that they are produced in accordance with the model declaration.

e) The licensee is instructed to send these test specimens to an official IGCC testing laboratory where they are tested.

f) After receipt by IGCC of the test report from the laboratory, the administrator validates that particular model. IGCC sends to the licensee a notice of product certification which includes the IGCC certification number. This number must be incorporated into the permanent label to be affixed on each certified sealed insulating glass unit.

g) The certified model will then be listed in the next published certified products directory.

Optional Prototype Program

a) The manufacturer, at his cost, requests the administrator to witness the fabrication of models for possible inclusion in the IGCC program.

b) Once the administrator witnesses fabrication he has nothing more to do with the testing.

c) The manufacturer deals directly with any approved IGCC laboratory.

d) When the manufacturer has a passing test report, he may then join the normal IGCC program.

e) Upon receipt of an executed license agreement, Appendix A, one year’s fees and a valid test report, IGCC will immediately issue a certification number.

f) The normal IGCC program will begin and unannounced inspections will take place per the normal procedure.

HOW THE CERTIFICATION PROGRAM WORKS

American Society for Testing and Materials has proposed test methods and specifications for sealed insulating glass. Sealed insulating glass must meet or exceed the applicable specification before it can be certified.

IGCC recognized independent testing laboratories conduct all tests. All laboratories, whose test reports are utilized by this certification program, shall be approved by the IGCC certification committee.

Administrator Authorizes Certification

As a sole judge of compliance with the applicable specification, the administrator authorizes a product which has been approved to be listed in the certified products directory.

Licensees label sealed insulating glass units in accordance with the labeling requirements established by the IGCC certification committee.

Approved products are listed in the certified products directory, which is published at least every six months. It is sent to door, sash and building manufacturers, glazing contractors, home builders, architects, regulatory agencies and code-making groups, etc. Directory listings contain the licensee’s name, plant location and product description.

The administrator verifies production at each licensee’s manufacturing location twice per year by making unannounced inspections; during one of these visits, specimens will be fabricated for testing. An approved testing laboratory determines compliance of sample specimens with specifications. Tests are made at the laboratory recommended by the licensee and selected by the administrator from the approved list. Results of each test are mailed promptly to the licensee by the administrator.

COMPLIANCE SAFEGUARDS

How is Compliance Assured?

Any certified product found in the course of routine inspection and evaluation not to be in compliance with the model description, is subject, after receipt of notification by telephone or certified letter, to having certification removed. The licensee is given a thirty day grace period in which to demonstrate to the satisfaction of the administrator that his product is in compliance with the model description that is certified. If he does not, certification is automatically terminated at the end of the thirty day period.
Challenging a Certified Product

Complaints of non-compliance from any corporation or business source will be investigated promptly by IGCC upon receipt of the complaint in writing along with an appropriate surety deposit. A minimum surety deposit of $1,500 will be required for each complaint of non-compliance. The surety deposit will be assessed at the rate of $300 per man plus the reasonable cost of travel and other expenses entailed in resolving such incidents. Refunds of part or all of the surety deposit will be made when applicable. All costs involved will be paid from the complainant’s surety deposit, unless the investigation proves non-compliance, in which case all costs will be borne by the licensee found to be in non-compliance.

Complaints by Consumers

The administrator shall receive and log the complaint; responding to the consumer with a certified products directory and instructions on how to locate the IGCC label.

It will be the consumer's responsibility to identify the label, number, class and date code which appear on the spacer or glass and advise the administrator of the same. Note: If no IGCC label exists, the product has not been certified by the manufacturer to IGCC and the administrator and IGCC have no further responsibilities or options.

Once the consumer has identified the label, number, etc. and advised the administrator, the administrator shall respond, advising the consumer of the name, address, primary contact, model description and other pertinent information at hand as it pertains to the subject licensee. Note: If the complaint is being made for reasons of product appearance or failure such as glass quality, fogging, seal failure, dust, etc., the consumer shall be advised to contact the licensee or manufacturer directly. Some manufacturers and their dealers or distributors offer warranties on their products. Normal claims, procedures and legal remedies are available to consumers on a state by state basis.

If the consumer wishes to determine whether or not a labeled product is in compliance with the model described through an investigation by IGCC, the corporation or business challenge procedure shall be utilized. The surety deposit shall be modified to $400 and charges per man day shall be assessed against the surety deposit in the amount of $300 plus reasonable travel costs and other expenses.

Withdrawal of Certified Product

Any product which has been certified may be voluntarily withdrawn from the Certification Program by the licensee at any time.

COSTS

What Does the Program Cost?
The initial fee will be for a period of twelve months. However, the next invoice to a licensee will have the fees prorated to the nearest whole month in such a manner that participation in the Certification Program will be on a February 1 to January 31 basis. A licensee is invoiced for each item that is certified and listed separately in the certified products directory. This invoice would include the fees for future routine evaluation testing.

Initial certification for each item will be for a period of twelve months commencing with acceptance of the license agreement. The next invoice will be for a period of twelve months.

CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS

License Agreement

This agreement, incorporating independent program administration and routine, periodic, independent plant inspections, sampling and evaluation, governs the relationship between IGCC and the licensee. Future amendments or revisions to the license agreement will be recommended by the IGCC certification committee and enacted by the IGCC Board of Governors.

Effective Date, Duration, and Termination

The License Agreement becomes effective on the date of its execution; has an initial duration of twelve months (adjustable to a February 1 to January 31 basis), and is automatically renewed for successive, additional periods of twelve months, unless either party gives notice at least sixty days prior to date of expiration that cancellation is requested or unless revoked by IGCC for causes set forth in the document.

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Administrative Service Agreement

This agreement, entered into by IGCC and Certification Services Corporation, governs the relationship between IGCC and CSC, the independent administrator. In general, it provides that the administrator:

a) routinely inspects licensee manufacturing facilities twice per year and during the first inspection witnesses fabrication of specimens for testing at one of the IGCC testing laboratories
b) has the right to witness any and all testing
c) reviews all test reports in order to determine compliance of the certified product with the specifications
d) inspects and approves all test laboratory facilities for use in this certification program (test laboratories are recognized or approved by the IGCC certification committee)
e) publishes and mails the IGCC certified products directory twice each year
f) handles all routine clerical duties of IGCC with respect to certification matters
g) acts as IGCC treasurer, invoicing licensees, maintaining a bank account and dispersing funds (fiscal reports are made to the IGCC Board of Governors)
h) attends all scheduled meetings of the IGCC certification committee and
i) in all of its actions acts in the name of IGCC.

Procedural Guide

This guide outlines program procedures in accordance with the provisions of the License Agreement and the Administrative Service Agreement, for the guidance of those concerned with the procedural details of the certification program’s operation. It covers the steps to be taken in any given procedural situation in the interest of equitable and uniform treatment of licensees and the preservation of the integrity of the certification program.

Certified Products Directory

This directory is the one document and publication that is normally in the public’s eye and contains a listing of the certified sealed insulating glass units of each licensee.

Certification Label

This certification mark is permanently affixed to each unit of certified sealed insulating glass by the licensee. It contains a code that refers to the listing in the certified products directory. The listing then provides a product description including the company name, plant location, etc.

PROGRAM RESPONSIBILITY

The IGCC Board of Governors has overall responsibility for the well being and acceptance of the certification program by the industry, building officials and the public. It also bears legal corporate responsibility.

The IGCC certification committee has the responsibility for the general procedure and policy pertaining to operation of the certification program. As a part thereof, it:

a) establishes “guidelines”
b) determines the applicability of the specifications in a specific situation where a question is raised by a licensee or the administrator
c) approves test laboratories
d) determines which of the specifications are to be designated effective for the purposes of product certification and the date or dates on which they become effective
e) recommends to the IGCC Board of Governors changes to be made in the license agreement.
COMMUNICATIONS

In all matters concerning the administration and implementation of the IGCC certification program, correspondence may be directed to any of the following:

IGCC Board of Governors  
Mr. Roger D. O'Shaughnessy, President  
Cardinal Insulated Glass Company  
6700 Excelsior Boulevard  
Minneapolis, Minnesota 55406  
Telephone 612-935-1722

IGCC Certification Committee  
Mr. Donald J. Vild, Chairman  
Libbey-Owens-Ford Company  
1701 East Broadway  
Toledo, Ohio 43605  
Telephone 419-247-4231

Insulating Glass Certification Council  
Mr. Robert A. Nance, P. E.  
Administrative Manager  
1640 West 32 Place  
Hialeah, Florida 33012  
Telephone 305-558-1480

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MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Insulating Glass Certification Council met on May 9 and November 9 during 1978.

Interested persons may obtain minutes of these meetings by writing to the Insulating Glass Certification Council.

By-laws are also available by writing to the Insulating Glass Certification Council.

Direct all requests or any comments to:

Mr. Robert A. Nance, P. E.  
Administrative Manager  
Insulating Glass Certification Council  
1640 West 32 Place  
Hialeah, Florida 33012  
Telephone 305-558-1480

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CERTIFICATION GUIDELINES AND INTERPRETATIONS

For guidance in labeling and certifying sealed insulating glass units the IGCC Certification Committee has adopted the following:

ALWAYS
The following situations permit the licensee to always certify and label the sealed insulating glass units with the same IGCC number.

GLASS
A.1
Any change in glass thickness from that tested (3/16 inch is required in test specimens).
A.2
Any change in glass tint or color from that tested (clear glass is required in test specimens).
A.3
Any change in glass size from that tested (14 by 20 inches is required for test specimens).
A.4
Any change in glass type (i.e. tempered, heat strengthened, laminated or patterned glass) from that tested (annealed glass is normally used in test specimens).
A.5
Any change in glass shape from that tested (rectangular glass is required in test specimens). This guideline permits the same IGCC number on triangular, circle head, trapezoidal and other shapes.
A.6
Any change in glass supplier from that tested.

SPACER
A.1
Any change in air space dimension from that tested (one quarter inch air space is required in test specimens).
A.2
Any change in spacer wall thickness from that tested.
A.3
Any change in spacer seam design (i.e. butt seam or lock seam) from that tested.
A.4
Any change in supplier of spacer from that tested, everything remaining the same.
A.5
Soldered, welded or brazed spacer corners may be used with the same IGCC number.
A.6
Mechanically fastened and sealed corners (those with keys) may be changed from one material to another provided that the substrate of the key does not change from that tested. It can be changed to the substrate of the spacer, however.

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DESICCANT

A.1
Equal amount or increase in quantity of the identical desiccant per inch of edge will not require a different IGCC number, however up to one fourth less may be used in proportion to reduction of air space dimension from that tested.

A.2
A change in supplier of the same general type of desiccant from that tested will not require a different IGCC number.

SEALANT

A.1
Any increase in moisture vapor transmission path length is an acceptable alternate for labeling.

NEVER
The following situations never permit the licensee to certify and label with the same IGCC number. They require the use of a different IGCC number.

SPACER

N.1
A change in spacer material, i.e. aluminum to steel or any other material will require a different IGCC number.

N.2
A change in spacer surface finish, i.e. anodized to mill finish or hot dip to electro galvanized, will require a different IGCC number.

N.3
A change in corner design from mechanical to soldered, welded or brazed and vice versa will require a different IGCC number.

N.4
A change in corner key material to another material, except for same material as the spacer, will require a different IGCC number.

DESICCANT

N.1
A change in general type of desiccant will require a different IGCC number.

SEALANT

N.1
In a single sealant system, a change in general type of sealant will require a different IGCC number.

N.2
In a two sealant system, a change in general type of primary sealant will require a different IGCC number.

N.3
In a two sealant system, a change in general type of secondary sealant will require a different IGCC number.
N.4
Any decrease in the minimum design moisture vapor transmission path length will require a different IGCC number.

N.5
Any increase in thickness of design moisture vapor transmission path (glass to spacer dimension) will require a different IGCC number.

GENERAL

G.1
A licensee is permitted to insert the open end of a breather tube in a bag or container of desiccant during shipment of a specimen to the test laboratory.

G.2
The addition of a breather tube is acceptable even though not in the test specimen.

G.3
The addition of edge protection such as metal banding, metallic foil, barrier coat, etc. is acceptable with the same IGCC number.

G.4
Inorganically coated glass may be used provided that the sealant or sealants contact glass or contact silica or a glass like material and no other organic materials have been introduced into the system and the layers of silica and metal have a bond strength in excess of the sealant bond strength.

G.5
Situations that are not included in the Always or Never categories listed above, fall into the gray area. The gray area situation is covered by minutes item 10.10.77.10 and is repeated here;

When there is a change and the licensee desires to use the same IGCC number, the licensee shall:

1) immediately notify the administrator with all details of the change.
2) establish equivalency by passing the same level of ASTM test as certified to by:
   a) having a prototype tested at an IGCC independent testing laboratory or
   b) having a prototype tested at an in house (licensee) facility or
3. demonstrate the equivalency of the change to the satisfaction of the certification committee.
(Prototype not required.)

Prototypes must be fabricated and submitted to the laboratory within two weeks after notification of the administrator. During the test period, the licensee may temporarily use the certification label on a provisional basis.

Testing done in house by a licensee must be done under the surveillance of the administrator.

G.6
Twelve specimens will be fabricated for testing purposes.

G.7
The permanent label shall be etched, sand blasted, embossed, printed, painted or otherwise permanently marked on the spacer or at least one component pane of the sealed unit.

G.8
Test specimens shall be constructed utilizing all of the components of the muntin system as used in the ultimate product and shall be situated in a four light divided arrangement in a diagonal diamond pattern.
PARTICIPANT'S AGREEMENT

I have read the PURPOSES of the INSULATING GLASS CERTIFICATION COUNCIL and hereby declare that I have a legitimate interest in the goals of the Council. I further declare that I do not manufacture insulating glass units nor am I employed by any company which is in such manufacturing business; as such I do not qualify to become a Licensee of the Insulating Glass Certification Council.

In view of the above declaration, I wish to be recognized as a "participant" in the Insulating Glass Certification Council.

Print Name: ______________________ Date: ________________
Address: ________________________ Phone: ________________
City: _____________________________ State: ______ Zip: ___
My interest in the Council is: __________________________________________
Signature: _________________________________________________________

ARTICLE II

Section 1 - PURPOSES

The purposes of the Insulating Glass Certification Council shall be:

1. Promote public benefit by encouraging maintenance of the highest standards of excellence in the manufacture of insulating glass.

2. To encourage and cooperate in developing standards related to performance characteristics of insulating glass products.

3. To plan, organize, direct, coordinate and sponsor a certification program for insulating glass manufacturers to assure that their products meet applicable standards and/or performance requirements, adopted or approved by the Council.

ANNUAL FEE

The annual fee for a participant will be $100.00 per company.

There will be no fee for public interest or consumer participants.

Credibility in Industry Certification through Active Public Participation.

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future editions of this certified products directory will be sent to individuals making a request on their corporate letterhead.