



safety glazing certification council

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**MINUTES OF EIGHTY-FOURTH
MEETING OF THE
CERTIFICATION COMMITTEE
OCTOBER 25 and 26, 2011
NAPLES BAY RESORT
NAPLES, FL**

		Date and Votes Present	
		<u>10/25/11</u>	<u>10/26/11</u>
<u>Members and Alternates Present</u>			
AGC Fab.	Mark Cody	1	1
AGC Industries	Mark Cody	1	1
Cardinal Glass	Bernie Herron	1	1
Consolidated Glass	Carl Carmen	1	1
Consolidated Glass	Shane Merryman	Present	Present
Guardian Fabrication Inc.	Kevin Olah	1	1
Guardian Industries Corp.	Kevin Olah	1	1
Nashville Tempered	Richard Paschel	1	1
Oldcastle Building Envelope	Rick Wright	1	1
Trulite Glass and Alum Fab.	Cliff Monroe	1	1
Viracon	Brian Louks	1	1
Viracon	Jack Foushee	Present	Present
<u>Members by Virtue of Being a Director</u>			
Public Interest	Patrick Loughran	1	1
Public Interest	Bill Nugent	1	Absent
Public Interest	Elaine Rodman	1	1
Public Interest	Peter Weismantle	1	1
Public Interest	June Willcott	1	1
		Votes	
		15	14
<u>Guests</u>			
Architectural Testing, Inc.	Scott Swaltek	Present	Present
Architectural Testing, Inc.	Shawn Collins	Absent	Present
Solutia	Julia Schimmelpenningh	Present	Present
<u>Legal Counsel</u>			
Schiff, Hardin LLP	William M. Hannay	Present	Present
<u>Administrative Staff</u>			
AMS, Inc.	John Kent	Present	Present
		Persons Present	
		19	19

10.25.11.1 The meeting was called to order at 1:34pm by Chairman Mark Cody and a quorum declared. All present introduced themselves.

10.25.11.2 The minutes of the October 26 and 27th, 2010 meeting were reviewed. A motion was made by Olah/Monroe to approve the minutes as submitted.

Vote: Unanimous Affirmative
Motion Passed

10.25.11.3 **(See attachment #1)** A presentation was provided by Kevin Olah, Brian Loukes, and Julia Schimmelpenninckh entitled "Quality Systems in the Manufacture and Fabrication of Glazing Materials and Systems". Upon completion, time was allowed for questions. All thanked the presenters. Copies of the presentations are available upon request of the SGCC Administrative Office.

10.25.11.4 **Legal Counsel's Report – W. Hannay - (See attachment #2).**

- A. SGCC Anti-Trust Guidelines were distributed to the group and read out loud
- B. SGCC, a corporation incorporated under the Illinois General Not for Profit Corporation Act, is in good legal standing in the State of Illinois with no pending or threatened litigation.

10.25.11.5 **Committee Structure - (See Attachment #3)**

10.25.11.6 **Board of Directors' Report – B. Herron**

- A. The SGCC Board remains at 5 Public Interest members and 5 Industry members. There was discussion of increasing supplier involvement with SGCC. John Kent agreed to review the SGCC By-laws as it relates to increased supplier involvement.
- B. The SGCC Business Account fee was suspended for 2011, charged for F12, suspended for L12, and will be charged at 1/2 fee for 2013.
- C. SGCC has agreed to accept credit card payments but when paying by credit card an additional 2-3% charge will be applied.
- D. The Board has reviewed suggestions for cost reductions in the SGCC Program, particularly related to test sample size and test requirements. While no action was taken, the matter will remain on the Board agenda.

10.25.11.7 **Financial Report – E. Rodman - (See Attachment #4)**

10.25.11.8 **Administrator's Report – J. Kent - (See Attachment #5)**

10.25.11.9 **Quick Action Sub-committee Report**

The Quick Action committee activity will be addressed under "CPSC" agenda item 12 of this meeting.

10.25.11.10 **Testing Laboratory Status -**

- A. **(See Attachment #6)** The status of SGCC Approved Testing Laboratories was reviewed. A motion was made by Paschel/Monroe to re-approve all current SGCC Approved Testing Laboratories for another 2 year period.

Vote: Unanimous Affirmative
Motion Passed

- B. **(See Attachment #6)** A motion was made by Paschel/Monroe to provide laboratory approval for 1) NCTL York, PA and 2) Stork Twin City Testing of Wausau, WI pending successful completion of all requirements as determined by the Administrative Manager.

Vote: 14 Affirmative
1 Abstention
Motion Passed

- C. **(See Attachment #7)** A motion was made by Paschel/Herron to approve new SGCC Lab Manual guideline T.7 dealing with bent tempered glass as revised.

Vote: Unanimous Affirmative
Motion Passed

- D. The idea of developing an SGCC video illustration how SGCC, CPSC and ANSI Z97.1 testing is performed was discussed. Hearing no strong support the issue was tabled.

10.25.11.11 The meeting was adjourned for the day at 4:30pm by Chairman Mark Cody.

10.26.11.1 The meeting was called to order at 8:20am by Chairman Mark Cody and a quorum declared.

10.26.11.2 **Program Testing Results Review - (See Attachment #8)**

Although no specific conclusions were drawn, the data was reviewed and its value recognized for consideration in future discussion.

10.26.11.3 **CPSC -**

- A. The CPSC has imposed new requirements on a number of consumer products including Safety Glazing. Since February of 2010, CPSC has required all shipments of safety glazing to include, or reference, certain information regarding product compliance. Portions of this information were to be based on a "reasonable testing program" but definition of a "reasonable testing program" was not provided until late spring of 2010 when CPSC released a federal register entry providing proposed language. SGCC (and others in the glass industry) provided comments on this language to CPSC in August 2010. One comment was if the language proposed in the federal register applied to safety glazing at all. To date no response has been received from CPSC, however recently CPSC has indicated that this effort likely will not move forward at this time. SGCC does not expect any further action on this issue in the near term.
- B. **(See Attachment #9)** In an effort to assist SGCC Participants in compliance with CPSC glass shipment requirements, SGCC has automated a "Record of SGCC Compliance Testing" which is available on line at www.sgcc.org. It is believed that this document will satisfy some, but not all, of the CPSC requirements.
- C. **(See Attachment #10)** In concert with the ANSI Z97.1 committee, SGCC had earlier agreed to move forward to petition CPSC to accept the ANSI Z97.1 test method in lieu of the test method contained in CPSC 16 CFR 1201. Bill Hannay provided guidance as to how SGCC could approach CPSC and has drafted a petition (cover page

attached) which was reviewed and revised at the meeting. After discussion a motion was made by Paschel/Carmen to finalize the draft petition, circulate to the SGCC Board and then Bill Hannay and John Kent should arrange a meeting with CPSC to present the petition.

Vote: Unanimous Affirmative
Motion Passed

10.26.11.4 **ANSI Z97.1**

- A. **(See Attachment #11)** Kevin Olah provided an update on the ANSI Z97.1 standard revision process; Current version is ANSI Z97.1-2009.
- B. **(See Attachment #12)** During late 2010 and earlier 2011 as SGCC began to implement the 2009 version of ANSI Z97.1, a large number of failures were observed in the center-punch test for thicker tempered glass. The failures were observed around the edges of the test samples. The SGCC Quick Action Committee reviewed the matter and on 1/28/11 took the following action: 1) Provided clarifying language to SGCC approved test labs (This resulted in Lab Manual Guideline G.30, 2) allow an extension for continued certification to ANSI Z97.1-2004 (which does not include the center-punch test). This allowed time for the ANSI Z97.1 committee to review the issue and on April 13th, 2011 TI-04.11.002 was issued exempting the edge region of the test sample, in short resolving the issue.
- C. A sub-committee within the ANSI Z97.1 main committee is working on a re-design of the Z97.1 impactor and impactor frame. The group was made aware of the effort and all were asked for input. SGCC may be asked for support of this effort in the future.

10.26.11.5 **Testing Range of Thickness For Tempered – (see Attachment #13)**

With the acceptance of the concept of testing range of thickness for laminated glass, SGCC has been asked to review the possibility of a similar concept for tempered glass. The data presented in the attachment was requested at the last meeting. After discussion the administrator was requested to add to the data for the next meeting 1) all failures in last 3 years 2) average weight of failed samples 3) glass type TTG, TPG and depth classification.

10.26.11.6 **List of Accepted Interlayer's - (See Attachment #14)**

SGCC has maintained a "List of Accepted Interlayer's" since approval of ranges of thickness certification for laminated glass. In order for an interlayer to be on the list, SGCC must have current weathering data and impact report data. While this list has been made available upon request, it has not been widely distributed. The administrator was directed to include the list on the SGCC website and include in the semi-annual SGCC Certified Products Directory (CPD). After discussion a motion was made by Carmen/Herron that all weathering data must be updated to the 2009 version of ANSI Z97.1 by 10/1/12.

Vote: Unanimous Affirmative
Motion Passed

10.26.11.7 **Glass in Furniture - (See Attachment #15)**

10.26.11.8 **List of Patterned Glass - (See Attachment #16)**

A list of "Classified Tempered Glass Patterns" has been maintained in the SGCC CPD since the programs inception. The accuracy and use of the list was discussed. The administrator was directed to contact pattern glass suppliers and ask for updates to the list. A note will also be added to explain what the list is used for.

10.26.11.9 **SGCC Website**

The SGCC website was re-designed since the last meeting and updated into a newer more manageable format. The website was reviewed and comments/suggestions requested.

10.26.11.10 **Old Business**

NONE

10.26.11.11 **New Business**

- A. Participants on occasion have been asked for compliance documentation for Canada. The question was raised what SGCC might be able to do to simplify this process. The administrator was directed to review the issue of Canadian certification and report back at the next meeting.
- B. **(See attachment #17)** There have been a number of issues involving difficulty with shipping foreign shipments of glass to the SGCC Test laboratories. In consult with SGCC laboratories and foreign trade brokers, SGCC has put together a white paper on this subject intended to assist with the process. Meeting attendees volunteered to review the document.
- C. The Board had earlier discussed possible cost reductions within the SGCC program primarily in connection with test frequency, sample test size and procedure. The administrator was directed to provide a proposal at the next meeting.

10.26.11.12 **Next Meeting**

There will be no F12 (first of 2012) SGCC Certification Committee meeting and so the next meeting will be for L12 (last of 2012). Tentatively the meeting will be held October 10-11 or 17-18, 2012 in Naples Florida.

10.26.11.13 The meeting was adjourned by the chair at 12:10 pm.

October 2011 SGCC Certification Committee Meeting

**Quality Systems in the Manufacture and Fabrication of
Glazing Materials and Systems**

1. Kevin Olah – QS Procedures
2. Brian Loukes – Tempered Glass Production Line Testing
3. Julia Schimmelpenningh – Laminated Glass Production Line Testing

SGCC ANTITRUST COMPLIANCE GUIDELINES

A. It is the policy of SGCC to comply fully with the antitrust laws applicable to trade association activities.

B. In furtherance of this policy, all SGCC meetings are attended by SGCC legal counsel, and the SGCC's officers, directors, and Administrator periodically consult with SGCC legal counsel.

C. Each participant in SGCC activities has a responsibility to avoid any improper conduct from an antitrust standpoint. The following guidelines will assist in meeting this responsibility.

1. SGCC meetings are held solely to manage and operate SGCC and its certification program, in accordance with SGCC's corporate purposes, the SGCC Bylaws, and the Certified Products Directory.

2. No participant in SGCC activities, including the certification program and standards development efforts (such as ANSI Z97.1), should attempt to misuse his or her position within SGCC to gain an unfair competitive advantage on behalf of his or her company.

3. To avoid antitrust problems (either civil or criminal), the following legally-sensitive subjects should not be discussed by competitors at or during SGCC meetings:

a. Future marketing plans of specific competitors;

b. Any complaints or business plans relating to specific customers, suppliers, geographic markets or products;

c. Agreements between competitors to allocate markets, customers or products;

d. Agreements between competitors to refuse to deal with a supplier or a customer;

e. Purchasing plans or bidding plans (except privately between two parties with a vertical commercial relationship such as supplier and customer); or

f. Current or future price information and pricing plans, bidding plans, refund or rebate plans, discount plans, credit plans, specific product costs, profit margin information or terms of sale.

Any question regarding the legality of a discussion topic or business practice should be brought to the attention of SGCC legal counsel* or your company's individual legal counsel.

October 2011

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SGCC Committee Structure (as of 10/25/11)

SGCC Board of Directors		President: Bernie Herron
Scope: The overall affairs of the Council shall be managed by its Board of Directors.		
Members		
<u>Public Interest</u>	<u>Business Community</u>	
William Nugent	Bernie Herron – President non-voting	
Peter Weismantle – Vice President	Richard Paschel	
June Willcott - Secretary	Brian Louks	
Elaine Rodman - Treasurer	Mark Cody	
Patrick Loughran	Cliff Monroe	
	Kevin Olah	

Sub Committee: <u>Nominating</u>	Chair: Richard Paschel	Public Interest Member: Peter Weismantle
Scope: The Nominating sub committee is a subcommittee of the Board and appointed by the President to research and present a slate of SGCC Board nominees and officers for the annual SGCC participants meeting.		

Sub Committee: <u>Quick Action</u>	Chair: Mark Cody
Scope: Between meetings resolution of any issue, appeal or request for review that can not be dealt with by the administrator, or is beyond the guidance provided to the Administrator or for which the Administrator has rendered a decision that is not acceptable by the applicant.	
Members	
SGCC President	Bernie Herron
Certification Committee Chair	Mark Cody
Public Interest	June Willcott

Sub Committee: <u>Time, Place and Marketing</u>	Chair: Elaine Rodman
Scope: Canvas for scheduled meetings of glass and associated industry meetings; develop a list of possible locations and specific dates for future meetings for submittal to participants for vote. Maintain SGCC marketing plan.	
Members	
Rick Wright	

Sub Committee: Laboratory and QA Inspection	Chair: Kevin Olah
Scope: Address and resolve concerns related to the interrelationship between the laboratories, the administrator, and SGCC participants. Development and maintenance of the laboratory testing manual and program quality assurance requirements.	
Members	
Bernie Herron	Rick Wright
Cliff Monroe	Mark Cody

Sub Committee: Laminated Glass Review	Chair: Rick Wright
Scope: Review SGCC guidelines for the certification of Laminated Glass	
Members	
Cliff Monroe	Greg Carney



safety glazing certification council

Annual Financial Comparison Summary

Attachment #C4

Revenues	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011
Administrative	\$238,383	\$300,770	\$306,298	\$478,848	\$491,427	\$534,680	\$526,949	\$537,804
Testing	\$360,036	\$429,682	\$317,424	\$576,784	\$794,936	\$819,085	\$673,050	\$849,675
Business Acct. income	\$30,959	\$32,585	\$38,700	\$46,659	\$52,875	\$55,435	\$30,165	\$0
Impactor Bags	N/A	N/A	\$1,100	\$1,430	\$990	\$1,540	\$1,980	\$1,395
Test Labs Under Five	N/A	N/A	\$2,000	\$2,000	\$1,000	\$1,000	\$0	\$0
Interest Income	\$9,276	\$9,057	\$18,093	\$18,629	\$28,077	\$26,591	\$15,440	\$14,685
Total Revenues	\$638,654	\$772,094	\$683,615	\$1,124,350	\$1,369,305	\$1,438,331	\$1,247,584	\$1,403,559

Expenses	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011
Administrative	\$238,383	\$300,770	\$306,298	\$478,848	\$491,427	\$534,680	\$526,949	\$537,804
Testing	\$327,036	\$429,682	\$317,424	\$540,072	\$794,935	\$751,085	\$673,050	\$849,675
Accounting	\$3,000	\$3000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,165	\$3,100
Legal	\$16,832	\$20,160	\$17,538	\$19,771	\$24,050	\$21,066	\$25,783	\$20,781
Board Meetings	\$9,383	\$9,877	\$9,927	\$9,289	\$20,098	\$14,487	\$12,434	\$12,310
Miscellaneous	\$1,576	(\$163)	\$2,826	\$1000	\$0	\$0	\$3,913	\$4,424
Insurance	\$5,340	\$5,607	\$5,607	\$5,607	\$5,607	\$6,837	\$4,640	\$4,458
Web Page	\$548	\$3,689	\$1,925	\$1,400	\$1,400	\$1,639	\$1,250	\$5,512
Bank Charges	N/A	N/A	\$1,558	\$1,895	\$2,722	\$2,171	\$2,249	\$1,584
Marketing	\$20,592	\$6,783	\$0	\$10,000	\$10,000	\$12,430	\$149	\$0
Total Expenses	\$622,690	\$779,405	\$666,103	\$1,070,882	\$1,353,240	\$1,347,395	1,253,582	\$1,439,648
Change in Net Assets	\$15,964	(\$7,311)	\$17,512	\$53,468	\$16,065	\$90,936	(\$5,998)	(\$36,089)
Net Assets	\$157,209	\$149,898	\$167,410	\$220,878	\$236,943	\$327,879	\$321,881	\$285,792

Investments	Initial Date of Purchase and Interest Rate	Initial Purchase Value	Current Interest Rate	Date of Maturity	Comments	Balance as of 10/20/11
#1 Key Bank	5/2007 4.65%	\$80,000	.25%	11/9/11	18 month CD	\$88,689
#2 Alliance	5/2007 4.65%	\$80,000	1.24%	5/18/12	12 month CD	\$88,346
#3 Carthage Savings and Loan	3/2008 2.92%	\$100,000	.83%	3/24/12	12 month CD	\$106,210
#4 First National Bank of Dryden	5/1997 5.05%	\$45,000	1.39%	5/28/12	24 month CD interest added every 3 months	\$86,027
#5WSB - CDARS	11/27/08 2.92%	\$100,000	1.20%	12/1/11	CDARS Program 2 year CD * Interest is deposited directly into savings account	\$100,000
#6 Watertown Savings Bank (Formerly Redwood)	11/23/04 2.65%	\$93,972	2.65%	11/23/12	48 month CD	\$114,349
#7 PNC Bank (formerly National City Bank)	8/2000 7.15%	\$90,000	0.65%	12/17/11	12 month CD	\$94,915
#8 Bank of America (formerly MBNA Invest Serv)	12/2000 6.63%	\$45,000	0.60%	12/1/11	12 month CD	\$61,454
Total of all Certificates of Deposits						\$739,990

SGCC Banking Accounts	
Account	Balance as of 10/20/11
HSBC Checking Account	\$96,257
HSBC Savings Account	\$94.48
WSB Savings Account	\$286,418

ADMINISTRATIVE REPORT

SGCC Fall Meeting

October 25-26, 2011

July 1, 2011 Certified Products Directory (CPD)

<i>Cut-off Date</i>	<i>Copies</i>	<i>Subscription List Mailing</i>
July 1, 2011	1839	1553

Certification Removed Since Publishing July 1, 2011 CPD

ANSI Program

None

CPSC Program

None

Composite Program

ACI Glass Products (Trulite) Greensboro, NY
 AGC Flat Glass North America; Reidsville, NC
 Milgard Tempering, Inc. Tacoma, WA
 QBP Co., Ltd. Qinhuangdao City, China
 Simonton Windows, McAlester, OK

Certification Added Since Publishing July 1, 2011 CPD

ANSI Program

None

CPSC Program

None

Composite Program

Hartung Glass Industries Tempered, Wilsonville, OR
 Integral Seal Mfg. Inc. Concord, ON Canada
 Pulp Studio Inc. Los Angeles, CA
 Richwood Company, Inc. Guangdong, China
 Vitra Vidrios Transformados SA de CV, Cortes, Honduras

Notification of Manufacturer's Name Changes

Arch Aluminum, ACI Glass Products, Vitro America, PDC Glass, Tempered Glass Inc., &
 United Glass Corporation
 are all now **Trulite Glass & Aluminum Solutions**

Administrative Activity

April 2011	Launch of new SGCC Website
May 2011	Revision of 4" Rule Acceptance Criteria
May 2011	Launch of AMS website including SGCC website section
August 2011	Mailing of July 2011 Certified Products Directory
October 2011	Mailing of SGCC F12 Invoices - including reintroduction of Business Account Fees

SGCC Participation Comparison

Attachment #C05

	L07 As of Oct	F08 As of April	L08 As of Oct	F09 As of April	L09 As of Oct	F10 As of April	2010 As of Oct	2011 As of Oct
No. of Participating Plants	234	221	245	242	252	241	245	256
% of increase or decrease in Plants	+5.9%	-5.55%	+10.86%	-1.22%	+4.13%	-4.37%	+1.66%	+4.49%
No. of Offshore Plants (Non US & Canada)	39	33	44	46	50	43	50	50
% of increase or decrease in Offshore Plants	18.2%	-13.8%	33.33%	4.45%	8.70%	-14.0%	+16.28%	+/- 0%
No. of Licensees	136	123	147	145	154	150	152	160
Total Certified Products	1510	1433	1513	1507	1598	1531	1573	1651
% of increase in Certified Products	5.4%	-5.7%	5.6%	-0.4%	6.04%	-4.19%	+2.74%	+4.96%
ANSI Only	25	88	23	26	34	37	22	18
CPSC Only	39	39	25	18	20	7	18	18
COMPOSITE	1446	1306	1465	1463	1544	1487	1533	1615

Website Report

SGCC 2010-2011	Total Visits (% change from prior yr)	Most Visited Section	2nd Most Visited	3rd Most Visited	Downloads of CPD	Other Downloads	Top Visiting Country & # of hits
Aug 2010	10,485 +202.25%	Who's Certified	Download Forms	Contact Us	185	ANSI Memo: 164 Laminated Glass: 78	US (6,249) China (904)
Sept 2010	9,848 +155.66%	Who's Certified	Download Forms	Contact Us	149	ANSI Memo: 126 Laminated Glass: 86	US (5,348) China (1,090)
*May 2011	10,982 -2.5%	Certified Products Search	Information	Record of Compliance Testing	152	ANSI Memo: 290 Meeting Minutes: 34	US (9,874) Russia (1,565) China (1,114)
June 2011	11,910 +17.54%	Certified Products Search	Certified Plants	Record of Compliance Testing	145	ANSI Memo: 176 Meeting Minutes: 46	US (8,946) Russia (2,320) China (1,424)
July 2011	13,686 +59.07%	Certified Products Search	Record of Compliance Testing	Meeting Information	82	ANSI Memo: 220 Meeting Minutes: 31	US (11,170) Russia (1,910) China (946)
Aug 2011	12,379 +18.06%	Certified Products Search	Certified Plants	Record of Compliance Testing	28	ANSI Memo: 294 Laminated Glass: 35	US (9,572) Russia 1,566 China (1,076)
Sept 2011	11,309 +14.84%	Certified Products Search	Certified Plants	Record of Compliance Testing	121	ANSI Memo: 178 Laminated Glass: 36	US (9,206) China (1,268) Russia 1,124

* Launch of New SGCC website with New Structure

SGCC Testing Laboratory Status (as of Oct, 2011)

7. Laboratory Agrees that initial approval by the SGCC Certification Committee is contingent upon an initial survey of Laboratory's test facilities by the SGCC. Laboratory agrees to pay the cost of the initial survey and inspection of the testing facilities. In order for a test facility to be considered for initial approval, a letter of interest or intent to use must be provided from 5 certified fabrication facilities. Ongoing laboratory approval is subject to approval by the SGCC Certification Committee and shall be for a period of two (2) years. During this period the laboratories facilities shall be re-surveyed and all issues arising from this survey resolved. A non-refundable fee of \$3000 annually for each facility shall be charged for SGCC Laboratory approval and surveys. This fee shall be waived under the following conditions:

1. During the first 2 calendar years of initial SGCC Lab approval
2. When 5 or more SGCC participating plants have selected the facility as their designated testing laboratory for that year.

Company	Location	Date of Initial Approval	Date of Last Inspection	Approved by SGCC	Signed Agmt	# Plts	Lab fee
Architectural Testing Inc.	St. Paul, MN	10/6/92	12/7/09 Tent w/o 11/13	10/29/09	10/14/09	15	
	York, PA	6/30/85	5/18/11	10/29/09	10/15/09	51	
	Fresno, CA	11/18/97	11/09/10	10/29/09	10/08/09	22	
	Southlake, TX	7/1/04	9/25/09 Tent w/o 10/24	10/29/09	10/14/09	11	
	Tampa, FL	4/25/07	10/19/11	10/29/09	10/15/09	5	
	Kent, WA	10/29/09	10/6/09 Tent w/o 11/13	10/29/09	10/06/09	4	\$3,000 for 2012
Bowser-Morner, Inc.	Dayton, OH	1991	6/6/11	10/29/09	10/01/09	17	
Construction Consulting Laboratory West	Ontario, CA	11/19/97	12/2/09 Tent 2011	10/29/09	9/29/09	15	
Fenestration Testing Laboratories	Medley, FL	10/2/97	10/24/11	10/29/09	10/1/09	38	
Intertek	Cortland, NY	1981	10/20/11	10/29/09	10/12/09	18	
NCTL (QTI)	Everett, WA	10/14/97	10/7/09 Tent w/o 11/13	10/29/09	10/15/09	21	
NCTL (NCTL)	York, PA	PENDING	5/19/11	PENDING	5/19/11	-	
Rone Engineers, Ltd.	Dallas, TX	3/31/00	9/22/09 Tent w/o 10/24	10/29/09	10/01/09	10	
Stork-Patzig Testing Laboratories	Des Moines, IA	6/11/99	12/15/09 Tent w/o 11/1	10/29/09	10/15/09	15	
Stork-Southwestern Laboratories	Houston, TX	1/15/90	3/14/11	10/29/09	10/06/09	14	
Stork TCT	Wausau, WI	PENDING	Tent w/o 11/13	PENDING	10/27/11	-	



SGCC LABORATORY MANUAL

SGCC's attempt is to include in this one document all of the directives and instructions that have been issued to the testing laboratories since the inception of the SGCC certification program for safety glazing materials. These instructions are intended to clarify and supplement testing conducted in accordance with ANSI Z97.1, CPSC 16 CFR 1201, or both specifications which is known as composite testing.

However, SGCC is dynamic and ever changing. We will continue to issue letters of instruction to the testing laboratories that add or delete from the instructions contained herein.

We welcome your constructive criticism and hope that you will not hesitate to advise us of any suggestions that may make this a more effective document.

Laboratories shall be aware of the responsibility they bear to the public in the testing of life safety materials; we know that you will strive to provide reliable accuracy and keep in mind your professional and ethical standards.

Revision List	
Revision Date	Revisions
October 20, 2000	Numerous revisions
July 17, 2007	Numerous revisions
October 18, 2007	Addition of G.27
October 16, 2008	Addition of revision list and Guideline G. 28 and G.29
February 1, 2011	ANSI Z97.1-2009 center punch test, G.30 added
Oct 25, 2011	Addition of T.7

Instruction G.30 (Added 2/1/11)

ANSI Z97.1-2009 section 5.2.2 states ***“Place the specimen on the flat base and place the curb lightly along the specimen edges so the sample can elongate slightly ...”***. It has been suggested that in order to allow the sample to elongate the curbing should not be screwed or fastened rigidly but should be placed “along the specimen edge” and allowed to move with the sample upon breakage. Additionally, it has been suggested that there should be no deformation of the “flat base” from the weight of the test sample.

Instruction T.7 (added 10/25/11)

Tempered bent patterned glass and tempered figured glass (i.e. channel glass) likely are non symmetrical from surface to surface and also are applicable to bent glass test requirements. The test standards state that if a test sample is non-symmetrical it should be impacted from both surfaces but there is also direction to impact bent glass only from the convex surface. In these situations the bent glass requirements supersede and “Channel Glass” and “TBP” should be tested as bent glass.

Program Testing Results

Attachment #C08

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011YTD
Selections (% of total products)	Total	1470	1536	1620	1729	2089	2549	2743	2846	2986	1607
	Participant	627 (43)	365 (24)	682 (42)	925 (54)	851 (41)	1188 (47)	1300 (47)	1356 (48)	1902 (64)	1122 (70)
	Inspector	843 (57)	1171 (76)	938 (58)	804 (46)	1238 (59)	1361 (53)	1443 (53)	1490 (52)	1084 (36)	485 (30)
Product Failures (Calendar Year) % Total Failures/% Total Products	Total Tempered Products				1643 (95)	1958 (94)	2349 (92)	2587 (94)	2705 (95)	2783 (93)	1468 (91)
	Total Laminated Products				86 (5)	131 (6)	200 (8)	156 (6)	141 (5)	203 (7)	139 (9)
	Total	26 (1.8)	31 (2)	36 (2.2)	31 (1.8)	65 (3.1)	71 (2.8)	66 (2.4)	66 (2.3)	72 (2.4)	45 (2.8)
	Participant Selected	21 (81/1.4)	17 (55/1.1)	24 (67/1.5)	20 (65/1.2)	54 (83/2.6)	44 (62/1.7)	35 (53/1.3)	47 (71/1.7)	65 (90/2.2)	29 (64/1.8)
	Inspector Selected	5 (19/4)	14 (45/9)	12 (33/7)	11 (35/6)	11 (17/5)	27 (38/1)	31 (47/1.1)	19 (29/7)	7 (10/2)	16 (36/1)
	34x76	23 (88/1.6)	16 (52/1)	25 (69/1.5)	30 (97/1.7)	61 (94/3)	50 (70/2)	47 (71/3.3)	54 (82/2)	70 (97/2.3)	45 (100/2.8)
	Odd Size	3 (12/2)	14 (45/9)	6 (17/4)	0	4 (6/2)	4 (6/2)	2 (3/1)	0	1 (1.4/.03)	0
	16x30 ('06) 24x42 ('07) 34x76 only starting L10	0	1 (3/1)	5 (14/3)	1 (3/1)	0 (Now 24X42)	17 (24/7)	17 (26/6)	12 (18/4)	1 (1.4/.03)	0
	Tempered Failures			24 (67/1.5)	25 (81/1.5)	48 (74/2.3)	48 (68/1.9)	51 (77/1.9)	43 (65/1.5)	59 (82/2)	34 (76/2)
	Laminated Impact Failures			4 (11/2)	5 (16/2)	8 (12/4)	20 (28/8)	12 (18/4)	17 (26/6)	10 (14/3)	7 (16/4)
Laminated Boil Failures			8 (22/5)	1 (3.2/1)	9 (14/4)	3 (4/1)	3 (4/1)	6 (9/2)	3 (4.2/1)	4 (9/2)	



safety glazing certification council

P.O. BOX 730
SACKETS HARBOR, N. Y. 13685
PHONE 315-646-2234
FAX 315-646-2297

Attachment #C09

Record of SGCC Compliance Testing

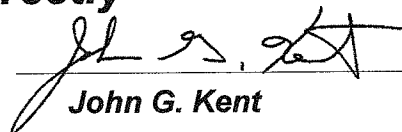
The information contained herein is viewed to be accurate by SGCC, a third party certification agency, as of the indicated date of issue.

1)	Identification of the Product :	SGCC# 89; 1/4" (6mm) TTG U
2)	Citation or Standard to Which the Product is Being Certified:	CPSC 16 CFR 1201 II & ANSI Z97.1-2009 CLASS A
3)	Identification of the Importer or Domestic Manufacturer:	AGC Flat Glass North America Mark Cody 700 AFG Road Church Hill, TN 37642 Phone: (423) 357-2494 E-mail: mark.cody@na.agc-flatglass.com
4)	Contact Information for Individual Maintaining Records of Testing:	See 3) above
5)	Date and Place of Manufacture:	Date Available from Manufacturer AGC Flat Glass North America Mackie Ferguson, Quality Manager & Tony Barnett QS AFG Rd. Hwy 11W Greenland, TN 37642 Phone: (423) 357-2400 E-mail: allen.hobbs@na.agc-flatglass.com
6)	Date and Place Product was Tested for Compliance:	4/26/2011 Fenestration Testing Laboratory Inc. 8148 NW 74 Avenue Medley, FL 33166 Phone: (305) 819-7877
7)	Identification of Third Party Laboratory:	See 6) above

For additional information, contact the manufacturer or US Importer directly

9/9/2011

DATE OF ISSUE



John G. Kent

SGCC ADMINISTRATIVE MANAGER

**BEFORE THE
U.S. CONSUMER PRODUCT SAFETY COMMISSION**

**PETITION REQUESTING THAT THE METHODS OF TEST FOR SAFETY GLAZING
MATERIALS SET FORTH IN ANSI Z-97.1 -2009e BE ADOPTED
IN PLACE OF THE TEST PROCEDURES NOW IN
SECTION 1201.4 OF PART 1201,
SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS**

**PETITION OF
SAFETY GLAZING CERTIFICATION COUNCIL**

William M. Hannay
Counsel for the Safety Glazing Certification Council
Schiff Hardin LLP
233 S. Wacker Drive, Suite 6600
Chicago IL 60606
(312) 258-5617

November __, 2011

ASC Z97 ANSI ACCREDITED STANDARDS COMMITTEE

Safety Requirements for Architectural Glazing Materials

Chairman: K. Olah, 2300 Harmon Road, Auburn Hills, MI 48326, Phone: 248-340-2141; E-mail: KOLAH@Guardian.com

Secretary: J.C. Schimmelpenningh, 730 Worcester Street, Springfield, MA 01151, Phone: 413-730-3413; E-mail:

JCSCHI@Solutia.com

ASC Z97 Update

October 18, 2011

ANSI Z97.1-2009 Standard

- Available for purchase at <http://www.ansiz97.com/purchase/>
- Interpretations have been issued and supplied for posting on the website. An ERRATA statement has also been issued February 11, 2011 with those modifications made to the standard.

Meeting Information

- Full Committee Meeting will be held October 26 & 27, 2011 in Naples, FL – task group and membership meeting for the 2014 version
 - Three working groups* will meet
 - Scope
 - Testing Requirements & Acceptance Criteria (TRAC)
 - Labeling
 - GISC (Glazing Industry Secretariat Committee) nominations & elections to be held

****Any individuals interested in participating in a working group should contact Julie Schimmelpenningh directly at jcschi@solutia.com***

Membership

- 33 primary members; 20 alternates; 3 observers
- For new membership information please go to www.ansiz97.com and fill out a membership form

Website www.ansiz97.com

- January – September 2011 total “Visits” 37,023 (Avg. 3,702/month)
 - Top 5 visiting countries:
 1. United States 24,673 visits
 2. China 9,104
 3. Hong Kong 575
 4. Japan 435
 5. Canada 418

Steering Committee

- Meeting will be held on October 27, 2010 in Naples, FL
- New member approved – Urmilla Sowell, Technical Director GANA

Secretariat – Glazing Industry Standards Council, 2945 SW Wanamaker Drive, Suite A, Topeka Kansas 66611-5321

ASC Z97 ANSI ACCREDITED STANDARDS COMMITTEE

Safety Requirements for Architectural Glazing Materials

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Secretary: J.C. Schimmelpenningh, 730 Worcester Street, Springfield, MA 01151, Phone: 413-730-3413; E-mail: JCSCHI@Solutia.com

Technical Interpretation TI-04.11.002

Document: **ANSI Z97.1-2009**

Date: April 13, 2011

Referenced Section(s): 5.2.4 (2)

Interpretation Request: (What needs clarification/modification/removal?)

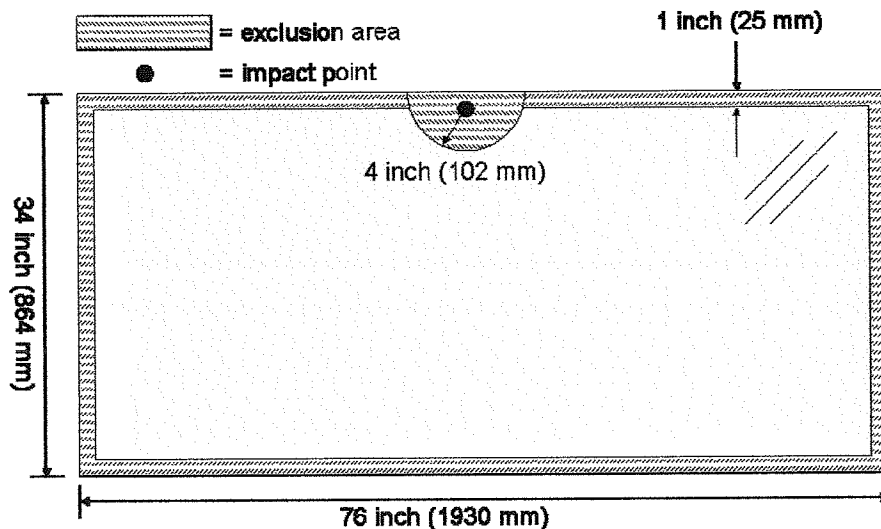
5.2.4 (2) No one particle shall be longer than 4 inches (102 mm).

Interpretation:

5.2.4 (2) No one particle shall be longer than 4 inches (102 mm) excluding an area of radius 4 inch (102 mm) centered on the impact point, and a border of 1 inch (25 mm) around the entire perimeter/edge of the test specimen (see figure below).

Rationale:

The excluded area wording was not included in the transfer of information from the task group and was intended to be included in the standard. The language and practice is consistent with EN 12150-1:2000, which has been implemented for years in the European community.



Keywords:

Center punch, Compliance, Impact, Tempered Glass

Date of rendered interpretation: April 13, 2011

Supplemental F11 Failures Computed into Testing Range of Thickness**45 total failures - 11 laminated failures - 1 thickness tolerance failures**

Thickness	ID #	Prod Thick/Type	# Samples Broken by Impactor/Ctr Punch	Avg. Particle Weight (g) Impactor/Ctr Punch	Acceptance Criteria (g)	Impactor Pass/Fail	Number of failed pieces per set	# of 4-inch Rule Failures
1/8"								
	1	1/8" TTG	5/0	23.6/0	50	F	1/5	0
	2	1/8" TTG	5/0	29.7/0	48	F	1/5	0
	3	1/8" TTG	5/0	43.6/0	51	F	1/5	0
	4	1/8" TTG	6/0	20/3/0	47	F	1/6	0
	5	1/8" TPG	6/0	18.6/0	48	F	1/6	0
	6	1/8" TTG	5/0	37.6/0	51	F	1/5	0
	7	1/8" TTG	5/0	41.2/0	52	F	1/5	0
	8	1/8" TTG	5/0	73.6/0	52	F	1/5	0
	9	1/8" TTG	5/0	57.8/0	51	F	1/5	0
3/16"								
	10	3/16" TPG	6/0	103.83/0	71	F	4/6	0
	11	3/16" TTG	5/0	48.4/0	75	F	1/5	0
	12	3/16" TPG	6/0	67/0	72	F	1/6	0
	13	3/16" TTG	5/0	57.2/0	77	F	1/5	0
	14	3/16" TPG	6/0	55.6/0	72	F	1/6	0
	15	3/16" TTG	5/0	73.2/0	76	F	1/5	0
	16	3/16" TPG	6/0	54.6/0	68	F	1/6	0
	17	3/16" TTG	5/0	43.4/0	75	F	1/5	0
	18	3/16" TTG	5/0	67.2/0	76	F	2/5	0
5/32"								
	19	5/32" TPG	6/0	34.5/0	60	F	1/6	0
	20	5/32" TPG	6/0	45.33/0	61	F	1/6	0
	21	5/32" TTG	5/0	33.2/0	63	F	1/5	0
1/4"								
	22	1/4" TTG	5/0	78.6/0	92	F	2/5	0
	23	1/4" TTG	5/0	73.2/0	91	F	1/5	0
	24	1/4" TTG	4/1	98.2/301	91	F	3/5	0
	25	1/4" TTG	4/1	42/228	92	F	1/5	0
	26	1/4" TTG	5/0	75/0	93	F	1/5	0
	27	1/4" TPG	6/0	53.5/0	82	F	2/6	0
	28	1/4" TPG	6/0	49.3/0	86	F	1/6	0
	29	1/4" TTG	5/0	49.4/0	92	F	1/5	0
	30	1/4" TTG	4/1	46/0	93	F	1/5	0
	31	1/4" TTG	5/0	41.6/0	92	F	1/5	0
5/16"								
3/8"								
	32	3/8" TTG	5/1	110.6/0	151	F	1/5	0
	33	3/8" TTG	4/1	110.25/47	152	F	1/5	0

SGCC List of Accepted Interlayers
(as of 10/20/11)

Generic Code	Description	Generic Code					Description
(b)	Poly Vinyl Butral	(p)					Polyethylene Terephthalate
(ip)	Ionoplast	(f)					Fluorinated Ethylene Propylene
(lc)	Liquid Resin – Multi Component	(u)					Polyurethane
(lu)	Liquid Resin – UV Cure	(ev)					Ethylene-Vinyl Acetate
Generic Class	(b)	(b)	(b)	(ip)	(b)	(lu)	(ev)
Supplier	Solutia	Solutia	DuPont	DuPont	DuPont	Kurarray	Cytec
Interlayer Brand	Saflex IIG/Vanceva	Saflex Specialty	Saflex Composite	SentryGlas® Expressions™	Butacite®	Trosifol	Uvekol S Liquid Resin UV cure
Interlayer Formulations	Series A,C, D,F, H, M, N, P, R, S, &W Solutia report dated 08/11	Saflex Q series Saflex AG Saflex DB/DS Solutia report dated 8/11	Saflex V series Saflex K series Solutia report dated 8/11		50-56 551-553	BG, AF, SC, VG, XT90, Solar R40, HR100	.040 only
Weathering Data	Solutia report dated 08/11	Solutia report dated 08/11	Solutia report dated 08/11	DuPont report dated 3/11	DuPont report dated 3/11	Kuraray report dated 4/21/08 & 5/20/08	Cytec Report 12/3/08
							ATI Report 5/28/09 88275.02-122-37

Glass In Furniture

ASTM Committee F15.42 – Furniture Safety

Contacts:

Chair - Bill Purdue – American Home Furniture
(Phone: 336-884-5000 Email: bperdue@ahfa.us)

ASTM Staff - Len Morrissey

Standard

ASTM WK22334 – New Specification for Consumer Safety for Glass Furniture

Scope

This consumer safety specification covers performance requirements and test methods to ensure the relative safety of glass used in furniture as a primary or secondary surface on tables, including coffee tables and end tables. 1.2 Units The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard. 1.3 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. This consumer safety specification addresses injury and fatality incidents involving breakage of glass in furniture. This consumer safety specification attempts to minimize the above-listed hazards. This consumer safety specification is written with regard to the current technology of glass in furniture. It is intended that this specification will be updated whenever substantive information becomes available that necessitates additional requirements or justifies the revision of existing requirements.

Key Points

- Applicable to Horizontal Glass
- Primary and Secondary Surfaces
- ANSI Z97.1 is referenced
- Sub-committee has completed its work.
- Expecting balloting to full committee by end of 2011
- ASTM worked closely with CPSC in developing the standard. It is expected that CPSC will defer to the ASTM standard and not initiate it's own rule development.
- US requirements do not mandate a label
- China Std more rigorous and does require label.

CLASSIFIED TEMPERED GLASS PATTERNS**1/8 inch shallow**

(01) P-516	(09) Spraylite	(34) Velvex	(221) Gluechip Pattern
(37) Aquatex	(39) Industrex	(82) Pattern 62	(86) Showerlite
(117) Solatex	(147) Solite	(168) Pattern 50	(111) Illusions

1/8 inch medium

(04) Rattan	(05) Cotswold	(07) Burlap	(08) Smooth Rough
(35) Flax	(52) Pattern 73	(56) Syenite	(57) Pattern 299
(NEW) Glacier	(11) Flemish	(167) Leaf	(154) Rain

1/8 inch deep

(10) Autumn

5/32 inch shallow

(64) Spraylite	(72) Velvex	(75) Aquatex	(183) Stippolyte	(186) Oak	(111) Illusions
(118) Solatex	(123) P-516	(126) Pattern 62	(128) Showerlite	(148) Solite	
(176) Hammered	(177) Industrex	(182) Sycamore	(195) Chantilly	(153) Flax	

5/32 inch medium

(61) Cotswold	(63) Smooth Rough	(66) Flemish	(181) Taffeta	(211) Niagara
(77) Pattern 73	(155) Rain	(73) Flax	(222) Glacier	

5/32 inch deep

(65) Autumn	(67) Oceanic	(173) Fluted	(180) Warwick	(184) Reeded
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3/16 inch shallow

(50) Pattern 62	(51) P-516	(54) Showerlite	(116) Heliolite	(119) Solatex	(122) Sunadex
(131) Industrex	(132) Velvex	(133) Aquatex	(140) Flax	(142) Chinchilla	(149) Solite
(171) Crepe	(172) Pebble	(125) Spraylite	(159) Model 10	(111) Illusions	(220) Gluechip Pattern

3/16 inch medium

(143) Seashell	(144) Syenite	(145) Flemish	(176) Rain	(210) Niagara	(213) Smooth Rough
(214) Floralite	(216) Privata	(218) Radiance			

3/16 inch deep

(12) Oceanic	(14) Lozenge	(174) Krystal Flutes	(178) Flutex	(179) Bamboo	(222) Glacier
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.210 inch shallow

(89) Velvex	(90) Muralex	(91) Industrex	(92) Aquatex	(93) Pattern 100	(94) Pattern 6
(95) Pattern 62	(96) Spraylite	(97) Burlap	(98) Factrolite	(99) Satinlite	(100) Luxlite
(101) J-3	(102) P-516	(103) Smooth Rough	(105) Cascade	(106) Pluralite	(108) Flax
(110) Skytex	(115) Chinchilla				

7/32 inch shallow

(14) Velvex	(16) Industrex	(17) Aquatex	(20) Pattern 62	(21) Spraylite	(22) Burlap
(24) Satinlite	(27) P-516	(28) Smooth Rough	(30) Cascade	(44) Flax	(84) Chinchilla

7/32 inch medium

(42) Seashell	(48) Flemish	(209) Niagara
---------------	--------------	---------------

7/32 inch deep

(29) Lizenge	(53) Boardlite
--------------	----------------

1/4 inch shallow

(169) P-516	(197) Strata	(198) Staccato	(200) Matrix	(203) Autumn	(111) Illusions	(299) Rain
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1/4 inch medium

(175) Fluted	(199) Reeded	(201) Flemish	(202) Everglade	(208) Niagara
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1/4 inch deep

(222) Glacier	(223) Pyramid
---------------	---------------

3/8 inch shallow

(204) Rain	(205) Stippolyte
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Note: Numbers in parenthesis represent internal coding.

SGCC Information for Clearing US Customs When Shipping glass to the US

SGCC is aware that there have been difficulties experienced by some non-US participants clearing US customs when shipping glass to the SGCC testing Laboratory in the US. To this end, below are suggestions from 2 laboratories and a customs broker/agent. SGCC is not suggestion any specific approach but rather is forwarding this information for consideration. Any issue must be worked out with a broker or the SGCC approved testing Laboratory of your choice, not SGCC.

Sincerely,
John G. Kent
SGCC Certification

Procedure for clearing glass in customs

Most of the tariff codes for glass trigger a formal entry requirement so even if the value is below \$2000 it will most likely require a formal entry with bond. A continuous bond is the preferred method of bonding when possible. The advantage to a continuous bond is that entries can go paperless so in many cases they are released from customs quicker avoiding storage. Also with a continuous bond the customs broker can remote file entries at most US ports. When you have a continuous bond it also covers the requirement for an ISF-Importers security filing bond.

If possible it is best to have someone in the USA as the importer of record for customs purposes. The importer of record needs to have a financial interest in the transaction and that would need to be the shipper/manufacturer, USA representative of the manufacturer or the testing company. If the USA representative or the manufacturer are the importer the testing company still needs to be indicated on the entry as the ultimate consignee and their EIN-employment identification number.

If a foreign entity will be the importer of record they need to appoint a US resident agent. This is a party in the USA that will receive any legal documents on behalf of the importer.

The process to set up a foreign entity would be:

- 1) Designate a US resident agent and obtain confirmation of acceptance from the agent and do the necessary filings with the state.
- 2) Complete the bond application, letter of indemnity, power of attorney (signed by 2 corporate officers) and 5106 request for customs assigned number forms.
- 3) Contact bonding company for approval of bond.(\$50,000 is the minimum amount)
- 4) File the bond with customs for approval and activation. This takes about 10 working days.

For procedure questions and clearing contact:

Bill Wratschko
Customs Clearance Int. Inc.
Ph# 310-322-3228
Fax# 310-322-3188
email- william@cciusa.net
www.cciusa.net

When foreign licensees send shipments to the lab in the US, these three things must be done for the shipment to not get hung up in customs

1. The shipment must be DDP (delivery duty paid)
2. The shipment must be *cleared on behalf of the shipper*
3. The importer of record must be the licensee

If the licensee does these three things then a power of attorney does not have to be issued, which saves all kinds of difficulties.

Because of liability reasons Architectural Testing is now charging to sign a POA. So, if we resolve this before the licensee sends the shipment then there are no added costs and the process is smoother.

Scott Swaltek, P.E.
Senior Project Engineer, Glazing, Glass & Special Projects
130 Derry Court
York, PA 17406-8405
Direct: 717.767.3743
Fax: 717.764.4129
Email: sswaltek@archtest.com
Web: www.archtest.com

TO: SGCC International Clients who use Architectural Test, Inc.

Architectural Testing will no longer facilitate the acquisition of surety bonds, in support of SGCC samples shipped from overseas. Surety bonds (promise to pay) are generally required in the import process to assure the shipper, import broker, taxes, duties, etc. get paid. By signing the power of attorney forms that are often submitted in preparation for these shipments we give the broker the right to acquire bonds in Architectural Testing's name. Over the many years that we have allowed this to occur there has never been a default on a bond, however to have ATI at risk on a foreign companies promise to pay, is illogical and effective immediately we wont do it any more.

International customers are not without options. They can acquire the surety bonds and otherwise facilitate door to door delivery of samples without ATI's involvement. The acquisition of a bond by a foreign company is more complicated and may require that the company submit financial statements, etc. This process is more challenging for the shipper but not grossly onerous as many of the shippers (our collective customers) facilitate the acquisition of bonds and thus enable door to door delivery without our involvement.

Dan Braun
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