



safety glazing certification council

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IMPORTANT SGCC INFORMATION
SGCC Implementation of New ANSI Z97.1 “2015”

The latest version of ANSI Z97.1 (now 2015) was made publicly available as of September 24, 2015. At the fall 2015 SGCC meeting, it was agreed to utilize the new version of ANSI Z97.1 starting in the First of 2016 (F16) certification period. We would recommend obtaining a copy of the new standard for reference if you have not already done so. Copies may be purchased as follows:

Link to Z97 website: <http://www.ansiz97.com> To purchase by phone: (212) 642-4900

Summary of Changes in Standard

(See Final Page)

Effect on Safety Glazing Producers

- The standard year designation will need to be updated on your permanent label once testing to the 2015 version of the standard is completed.
- For laminated and organic coated glass producers, SGCC shall default to boil testing. Should you wish to have your product “bake” tested instead, you will need to notify SGCC.
- Review weathering requirements as applicable.

Effect on SGCC Approved Laboratories

- Acceptance criteria has changed, review, train, and implement for 2015 version testing.
- Prepare for Bake test of laminated and organic coated glass.
- Review weathering requirements (indoor use only) as applicable.

Implementation Schedule

<u>SGCC Certification Period</u>	<u>Test</u>	<u>Labeling</u>
Last Half 2015 (L15)	If testing is not already complete and lab can accommodate, per licensee request, ANSI Z97.1 - 2015 testing shall be allowed.	
First Half 2016 (F16)	2015	2009 (prior to test)
Last Half 2016 (L16)	2015	2015 (see note 2 below)

Changes to SGCC Label

ANSI Z97.1-2015 requires the following label information:

1. Supplier's name or mark
2. "ANSI Z97.1-2015"
3. Test Size (U or L), and Drop Height Class (A, B)
4. Place of fabrication (If more than one plant)

Typical SGCC Label (Composite + CAN)

Z97.1-2009

ABC Glass - Plant A (Optional)
16 CFR 1201 II
ANSI Z97.1 - **2009**
CAN/CGSB 12.1-90
SGCC 9999 1/4UA

Z97.1-2015

ABC Glass – Plant A (Optional)
16 CFR 1201 II
ANSI Z97.1 - **2015**
CAN/CGSB 12.1-90
SGCC 9999 1/4UA

Notes:

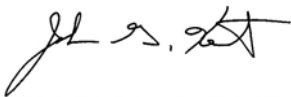
- 1) Testing to the ANSI Z97.1-2009 version of the standard will not be considered equivalent to the 2015 version.
- 2) Labeling of product to ANSI Z97.1-2015 shall not occur until 2015 version testing has passed.
- 3) F16 testing to ANSI Z97.1-2015 shall be on 34 x 76-inch sample for companies wishing an unlimited size designation.
- 4) Products that are certified "Indoor Use Only" will need to retest to the new indoor weathering requirements of the 2015 standard by 1/1/2017.
- 5) SGCC labeling requirements are minimum requirements for SGCC. Other jurisdictions, standards and codes may have additional requirements.
- 6) SGCC Guideline G.5 should be noted:

G.5

The SGCC® item number, when used as part of a permanent label, designates the name of the licensee (participant) and also the location of the manufacturing plant.

Thank you for your attention to this matter. If you have any questions, please feel free to contact us any time and as always, thank you for your support of the SGCC Certification process.

Best regards,



John G. Kent
SGCC Administrative Manager

“Summary” of Changes to ANSI Z97.1 - 2015

(The following provides an abbreviated review of changes between the 2009 and 2015 version of the standard. This should not be used as a substitute for a full review and understanding of the changes between the 2 versions of the standard.)

1. Revision Cycle
 - a. 2009 – Revision started
 - b. 2014 – Full standard ballot
 - c. 2015 (September) – Standard publically available
 - d. 2016 – Next revision cycle to start
2. Wired Glass (Monolithic) – Applicability removed (Class C, 12-inch drop removed)
3. Thermal Test (Dry Bake) – Test added as an alternate to (wet) boil (16 hours @ 100°C) applicable to laminated and organic coated glass
4. Acceptance Criteria (mode of breakage) – 4 types created
 - a. Type 1 – Fragments contained – Laminated and Organic Coated Glass
 - b. Type 2 – 10 largest particles – Tempered
 - c. Type 3 – Stiffness and hardness – Plastic
 - d. Type 4 – No break – Applicable to all (tempered must also pass center punch test)
5. Type 1 – Fragments contained
 - a. 3-inch sphere with 4-pounds force, and -
 - b. Total detached particles < the equivalent weight of 15.5 in²
 - c. No individual detached particle > the equivalent weight of 6.82 in²
 - d. Exempt detached particles < 1 in²
6. Technical Interpretations – The technical interpretations to the 2009 standard were added dealing with tempered glass center punch area of exclusion and weathering acceptance criteria.
7. Weathering –
 - a. Various clarifying language
 - b. Changes to indoor use only products
 - c. Appendix B – Weathering Table added
8. Marking – No changes other than the year designation