



safety glazing certification council

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IMPORTANT SGCC INFORMATION

As you may be aware, the latest version of ANSI Z97.1 (now 2004) was published earlier this year. At the spring SGCC meeting, it was agreed to utilize the new version of ANSI Z97.1 starting in the last of 2005 (L05) 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 on line store: <http://webstore.ansi.org> To purchase by phone: (212) 642-4900

To follow is an explanation of how this will affect SGCC licensees and laboratories:

Effect on Safety Glazing Producers

- All SGCC testing for the L05 certification period will be on 34 X 76-inch samples. This must be done to affirm the unlimited size designation for the new standard.
- The new version of ANSI Z97.1 designates 3 impact classes. SGCC will assume all products are Class A (48-inch, 400 ft-pound impact) unless otherwise directed by the SGCC licensee. YOU MUST LET US KNOW IF YOU WISH TO RATE YOUR PRODUCT(S) AT A RATING OTHER THAN CLASS "A". (Class B = 18-inch, 150 ft-pound impact and Class C is reserved for wired glass only)
- Laminated glass producers will need to provide SGCC with a weathering report.
- Upon completion of testing to the new ANSI Z 97-2004, actual product permanent labels will need to change.

Effect on SGCC Approved Laboratories

- All L05 test samples will be 34 X 76-inches.
- There will be some minor modifications to test equipment.
- There will be some minor modification to the test procedures.
- We are requesting all Lab's provide SGCC with confirmation that they have 1) obtained a copy of the new standard, 2) have made all equipment and procedural modifications, and 3) have trained personnel on the new standard. **Please provide to SGCC before July 30, 2005.**

Implementation Schedule

SGCC Certification Period	Test	Labeling
First Half 2005 (F05)	1984	1984
Last Half 2005 (L05)	2004	1984
First Half 2006 (F06)	2004	2004

Note:

- 1) Testing to the ANSI Z97.1 1984/1994 version of the standard will not be considered equivalent to the 2004 version.
- 2) L05 testing to ANSI Z97.1 – 2004 shall be on 34 x 76-inch sample for companies wishing an unlimited size designation.

Changes to SGCC Label

ANSI Z97.1-2004 requires the following label information:

1. Supplier's name or mark
2. "ANSI Z97.1-2004"
3. Test Size (U or L), and Drop Height Class (A, B, C)
4. Place of fabrication (If more than one plant)

Typical SGCC Label

Z97.1-84

Z97.1-04

ABC Glass
16 CFR 1201-II
ANSI Z97.1-1984
1/4U SGCC-9999

ABC Glass – Plant A
16 CFR 1201 – II
ANSI Z97.1 – 2004
1/4UA SGCC-9999

Note:

- 1) Labeling of product to ANSI Z97.1-2004 should not occur until 2004 version testing has passed.
- 2) SGCC labeling requirements are minimum requirements for SGCC. Other jurisdictions, standards and codes may have additional requirements.
- 3) The SGCC number could be used to identify both the "Supplier" and "Place of fabrication".

Changes in Test Procedure/Equipment

1. Weathering test for laminated, and multiple options for weathering test
2. Test to Impact Class section 5.1.2.1
3. Shims for testing
4. Section 5.1.1 (5) Traction/release system to have means to "Rotate" the impactor
5. Some variation in Procedure, section 5.1.3 (Must test to impact class)
6. Some variation in interpretation of results, section 5.1.4
7. More clear direction for testing "bent" products.

Laminated Glass

From ANSI Z97.1-2004 – "Weathering tests on laminated and organic coated glasses shall be performed on the thinnest construction of all components in clear glass with clear plastics by either the laminate fabricator or the manufacturer of the interlayer or plastic glazing sheet material."

Per Spring 2005 SGCC meeting:

For SGCC certification, weathering tests for laminated glass per ANSI Z97.1-2004 shall only be required initially. Weathering data will be accepted from the laminated glass fabricator, or a supplier, i.e interlayer manufacturer.

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

John G. Kent
SGCC Administrative Manager