

ASC Z97 Update

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- Accredited Standards Committee Z97 approved new version
- ANSI approved the standard after special audit, procedural review and executive review
- ANSI Z97.1-2026 Published
 - Companies and Individual Members of the committee have received their complementary copy
 - Available from ANSI.org in a couple of weeks
- New URL: www.SafetyGlazingZ97.com

American National Standard

ANSI Z97.1 – 2026
For safety glazing materials used in buildings – safety performance specifications and methods of test



 Approved American National Standard

Glazing Industry Secretariat Committee | 344 Maple Ave. West – Unit 272 | Vienna, VA 22180
United States of America

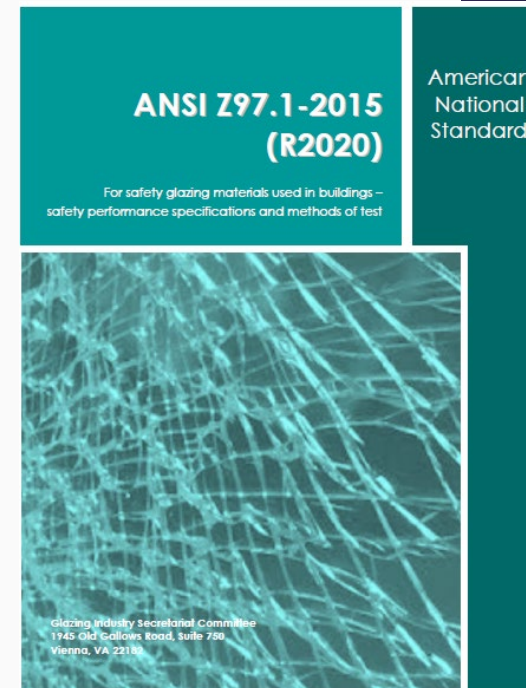
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ANSI Z97.1 Standard Comparison

2015 (R2020) vs. 2026 Edition

Key Changes in:

- Weathering,
- Referenced Standards &
- Scope



ANSI Z97.1 — 2015 (R2020) vs. 2026: Overview of key changes

Category	2015 (R2020)	2026 Edition	Change Type
Scope — covered glazing types	Laminated, tempered, organic coated, plastic, mirror, bent	All prior types + Vacuum Insulating Glazing (VIG) added	New glazing type
Chemically strengthened glass	Not directly addressed	Exclusion clarified; engineering-based exception added (§1.3)	Clarification
Weathering method — exterior	§5.4.1(1) ASTM D1435 (natural) §5.4.1(2) ASTM D2565 / ISO 4892-2 / G155 (accel.)	Consolidated into ASTM C1900 (2024 ed.) Replaces D1435, D2565, G155, ISO 4892-2	Simplified — fewer refs
Weathering method — interior / aging	§5.4.3(1) ASTM D4459 / G155 (xenon-arc)	Consolidated into ASTM C1900 (indoor requirements) D4459 and G155 removed	Simplified — fewer refs
Thermal test method	Inline procedure in §5.3.2 (bake/boil)	Delegated to ASTM C1914 (2025 ed.) Results also evaluated per ASTM C1914	New normative ref
VLT measurement (§5.4.2(1)[1])	ASTM D1003 only	ASTM D1003 or ASTM E903 (alternate method added)	More flexibility
Impact test & classification	Class A / B; 4-specimen requirement; same drop heights	Class A/B, 4-specimen, drop heights identical, , addition of VIG impact & rating protocol	More flexibility
Marking requirements	Requires ANSI Z97.1-2015, size class, drop height	Updated to ANSI Z97.1-2026; same content requirements	Edition update only
CPSC 16 CFR Part 1201 status	Referenced by CPSC for regulatory compliance	CPSC continues to reference 2015 (R2020); 2026 not yet adopted	No regulatory change
Canadian harmonization (CGSB)	Harmonized as CAN/CGSB 12.1 (2015/2020)	2026 edition harmonized by CGSB as its 2026 version	Updated

Reference Standard Additions and Modifications

Standard	Status	Full Title	Z97.1 Section	Notes
ASTM C1900 (2024)	NEW — Added	Standard Practice for Weathering and Evaluation of Laminated Glass	§5.4.1, §5.4.2, §5.4.3, §5.4.3c	Replaces D1435, D2565, D4459, G155, ISO 4892-2 — single umbrella practice for all weathering exposure methods
ASTM C1914 (2025)	NEW — Added	Standard Test Method for Bake and Boil Testing of Laminated Glass	§5.3.2, §5.3.3	Thermal test procedure and result evaluation now delegated to this standard; previously defined inline in Z97.1
ASTM D1435 (2013)	REMOVED	Standard Practice for Outdoor Weathering of Plastics	§5.4.1(1) [2015]	Natural exposure procedure absorbed into ASTM C1900
ASTM D2565 (2016)	REMOVED	Standard Practice for Xenon Arc Exposure of Plastics — Outdoor Applications	§5.4.1(2) [2015]	Accelerated exterior weathering (xenon-arc) absorbed into ASTM C1900
ASTM D4459 (2012)	REMOVED	Standard Practice for Xenon-Arc Exposure of Plastics — Indoor Applications	§5.4.3(1) [2015]	Accelerated indoor/aging weathering (xenon-arc) absorbed into ASTM C1900 indoor requirements
ASTM G155 (2013)	REMOVED	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials	§5.4.1(2), §5.4.3(1) [2015]	Xenon-arc apparatus operation absorbed into ASTM C1900
ISO 4892-2 (2013)	REMOVED	Plastics — Methods of Exposure to Laboratory Light Sources — Part 2: Xenon Arc Sources	§5.4.1(2) [2015]	Alternate xenon-arc procedure absorbed into ASTM C1900; ISO reference eliminated

The 2026 edition consolidates five separate weathering standards (D1435, D2565, D4459, G155, ISO 4892-2) into a single umbrella practice: ASTM C1900.

■ Added / New
 ■ Removed — absorbed into ASTM C1900
 ■ Retained (edition updates only)

Weathering Criteria

Standard	Status	Full Title	Z97.1 Section	Notes
ASTM D1003 (2021)	Retained	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics	§5.4.2(1)[1],[3]	VLT and Haze measurement — retained; E903 added as alternate for VLT only
ASTM E903 (2020)	NEW — Added	Standard Test Method for Solar Absorptance, Reflectance, and Transmittance Using Integrating Spheres	§5.4.2(1)[1]	Alternate method for Visible Light Transmittance (VLT) measurement alongside ASTM D1003
ASTM E313 (2025)	Retained	Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates	§5.4.2(1)[2]	Yellowness Index measurement — retained; edition updated to 2025
ASTM E308 (2022)	Retained	Practice for Computing the Colors of Objects by Using the CIE System	§5.4.2(1)[4]	Color computation for Delta E — retained; edition updated to 2022
ASTM D2244 (2025)	Retained	Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates	§5.4.2(1)[4]	Delta E calculation — retained; edition updated to 2025
ASTM D6110 (2018)	Retained	Standard Test Methods for Determining the Charpy Impact Resistance of Notched Specimens of Plastics	§5.4.2(4)	Post-weathering Charpy impact test for plastics — retained unchanged

The 2026 edition added ASTM E903 is added as an alternate VLT measurement method.

■ Added / New
 ■ Removed — absorbed into ASTM C1900
 □ Retained (edition updates only)

ASC Z97 Committee Organization

GLAZING INDUSTRY SECRETARIAT COMMITTEE (GISC)

SECRETARIAT OF ASC Z97

(ELECTED: Kayla Natividad (Chair), Ilona Schmidt (Vice Chair), **OPEN** (Sec/Treasurer))

Positional: Chair (Schimmelpenningh), Secretary (Aubin))

Apply for accreditation	Oversee consensus body for compliance	Maintain roster
Provide secretary	Submitting standards to ANSI	Submits budget to SC

OFFICERS

(AS OF 6/11/2026)

Chair* – Julia Schimmelpenningh

Vice Chair* – Michelle Phan

Secretary** – Olivia Aubin (AMS)

* Approved by CB vote & GISC

**Appointed by secretariat

STEERING COMMITTEE

(John Kent, Julia Schimmelpenningh, Ilona Schmidt, Urmilla Sowell, Rick Wright)

Propose standards	Tech Interpretations	Overall supervision
Establish general policies	Adopting, updating & implementing procedures	Membership review
Financial responsibility	Propose Task Groups Schedule	Liaison

CONSENSUS BODY

(The Committee)

Votes on the standard
Maintains the standard
Adopts policies
Other matters

ASC Z97 Status

- Members 32
- Membership is Currently Balanced
- 5 Member Categories
 - Fabricators/Distributors **(FULL)**
 - Soliciting NON-Fab/Dist Members
- Committee has been reactivated to address topics:
 - Thin Glass (working group lead: R. Wright)
 - Impactor (working group lead: M. Phan)
 - Next CB Meeting: **Wednesday August 19, 2026** 11 am EST

PRIMARY MEMBER BREAKDOWN		Max 11 (32/3)
User		2
General Interest		9
Testing Lab		3
Fabricator/Distributor		11
Component Manufacturer		7
Total		32
Membership Distribution		
Primary		32
Alternate		20
Observer		3

ASC Z97

Need more information?

- Contact Info:
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