

ASC Z97 ANSI ACCREDITED STANDARDS COMMITTEE

Safety Requirements for Architectural Glazing Materials

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TECHNICAL INTERPRETATION

TI-2018.1017.001

Document: **ANSI Z97.1-2015**
Referenced Section(s): Section 3 Definitions

Date: November 26, 2018

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

Change the definition of tempered glass to include other methods of tempering and not to restrict it to heat tempering.

Suggested Revised Language:

Section 3 Definitions

Tempered glass: (also known as toughened glass). Glass of any shape that has been subjected to a special treatment process to increase its mechanical strength and to condition its fragmentation after shattering. This treatment process can be done e.g. by heat tempering or chemical tempering.

Interpretation:

Chemically Strengthened Safety Glass: Glass of any shape that has been subjected to a special chemical treatment process to produce surface compressive stress such that when broken using the test methods in ANSI Z97.1 meets the fragmentation criteria in ANSI Z97.1.

Rationale:

Wording as written in the 2015 standard was based on best available knowledge at that time. The standard is not intended to be exclusive to products but rather inclusive. Reasonable accommodations are appropriate for new products that have the ability to comply with this standard.

After review of submitted data, the rendering of this technical interpretation makes a distinction between Chemically Strengthened glass (that is not sufficiently processed to comply with this standard) and Chemically Strengthened Safety glass (glass that is sufficiently processed to comply with this standard).

Keywords: Chemically strengthened, Compliance

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