

ASC Z97 ANSI ACCREDITED STANDARDS COMMITTEE

Safety Requirements for Architectural Glazing Materials

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Technical Interpretation TI-14.06.001

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Referenced Section(s): Section 5.4.2.1.2

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

When compared to control (unexposed) samples, no weathered specimen shall exhibit more than the allowable change, as specified, for the following properties:

Request Rationale:

There are interlayers present in some laminated products that serve a purpose other than for impact and safety performance. These interlayers may not pass the tests (ie, not meet the properties) described in this section. But since these interlayers do not serve the purpose of impact and safety performance, the product's safety characteristics are not compromised.

Suggested Revised Language:

When compared to control (unexposed) samples, no interlayer intended for impact and safety performance in the weathered specimen shall exhibit more than the allowable change, as specified, for the following properties:

Interpretation:

The use of materials that serve a purpose other than for impact and safety performance shall not compromise the impact and safety performance of the specimen.

Rationale:

This is a safety glazing standard and the safety performance of the product must not be reduced with the use of other materials. The suggested statement cannot be utilized as it limits applicability to interlayers intended for impact and safety and there is no mechanism to make the determination in this standard. It is recognized that inserts are used extensively in some products and the inserts may not have the capability of passing the stabilization/durability portion of this standard. This may occur and not have an effect on the impact, safe breakage or glass shard retention properties of the product. As such, language has been developed to accommodate the use of such products by the weathering committee and is documented below. It is expected that this language will be adopted into the next version of the standard:

(Potentially Section 4.6)

“For weathering tests (see section 5.4), specimens as described in sections 4.6.1 and 4.6.2, representative of commercial production and of the thinnest construction for which qualification is desired (see section 4.4), shall be required. Specimens constructed of laminated glass, organic coated glass or plastics that have decorative or other functional materials inserted or embedded within the glazing material shall not need to undergo weathering and subsequent testing if all of the following criteria are met:

- 1.) the interlayer, organic coating or plastic material encapsulates the decorative or otherwise functional material,
- 2.) the interlayer, organic coating or plastic is deemed to comply with section 5.4.
- 3.) the thickness of the interlayer, organic coating or plastic on each side of the insert or embedded material is at least the minimum thickness as qualified in section 5.4.

The use of an insert or embedded material does not preclude the requirements for impact testing.”

Keywords: Compliance, insert, weathering

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