

# **ASC Z97** **ANSI ACCREDITED STANDARDS COMMITTEE**

## ***Safety Requirements for Architectural Glazing Materials***

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### Technical Interpretation TI-04.11.001

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Referenced Section(s): Table 1 Note (4)

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

Clarify the acceptance of colored interlayers when clear products are tested. Currently the standard states: "Weathering tests on laminated and organic coated glasses shall be performed on the thinnest construction of all components in clear glass with clear plastics."

**Interpretation:**

When the thinnest construction of all components of laminated and organic coated glasses have passed the applicable weathering requirements and subsequent evaluation stated in section 5.4 thicker components and colored components will be deemed qualified for weathering compliance.

**Rationale:**

The intent of this note to Table 1 is to require weathering of the thinnest amount of interlayer or organic material for which qualification is sought, to be weathered as clear products. This was deemed by the task group to be the worst case scenario as related to UV degradation. Weathering colored products in these tests would result in analyzing primarily the durability of the colorant, and may mask polymer degradation by yellowing or darkening. The delta E deviation of a color does not have a correlation to the affect on impact performance; however; any sizable delta E is known to indicate a significant change in clear products. Although the current statement can be interpreted as intended, it has been questioned in qualification testing. Clarification of this statement, clearly indicating color being acceptable if the clear formulation of the same product passes the requirements, was deemed appropriate and will help the laboratories and suppliers furnish the appropriate statements with their test reports and products.

**Keywords:**

Clear, Colors, Compliance, Durability, Laminated Glass, Organic Coated, Weathering

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