

E99812E99819

Standard Test Method for Structural

Performance of Glass in Windows, Curtain Walls, and Doors Architectural Glass Products Under the Influence of Uniform Static Loads by Nondestructive Method 1 This

standard is issued under the fixed designation E998; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval. Scope

This test method is a nondestructive general

test procedure to establish the nature of stresses induced in for load tests of glass subjected to uniform static loads. A procedure It is provided for using this stress information to estimate the probability of breakage of the glass. applicable for test protocols involving specified loads, load durations, and loading rates. This

test method is applicable to architectural flat glass of various degrees of temper; types; for example, annealed, heat-strengthened, fully tempered, laminated, insulating, and combinations thereof. This

test method describes a process of applying specific test loads to glass. The test may be conducted using the a standard test frame specified herein or a test frame of the user's design. The

values stated in SI units are to be regarded as standard. The values given in parentheses are mathematical conversions to inch-pound units that after

SI units are provided for information only and are not considered standard. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and health environmental

practices and determine the applicability of regulatory limitations prior to use. For specific precautionary statements see Section 7. This

international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for

the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee. Referenced

Documents ASTM Standards: 2C1036 Specification

for Flat Glass C1048 Specification

for Heat-Strengthened and Fully Tempered Flat Glass C1172 Specification

for Laminated Architectural Flat Glass C1376 Specification

for Pyrolytic and Vacuum Deposition Coatings on Flat Glass E631 Terminology of Building Constructions E1237 Guide

for Installing Bonded Resistance Strain Gages E1561 Practice

for Analysis of Strain Gage Rosette Data Terminology Definitions: Definitions—For definitions of general terms related to building construction used in this test

method refer to Terminology E631. For

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method refer to Terminology E631. Definitions