



Standard Guide for Assessment of Continued Applicability of Reaction to Fire Test Reports Used in Building Regulation¹

This standard is issued under the fixed designation E2989; 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 (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide contains concepts that provide guidance for assessing the continued applicability of fire test reports for reaction to fire tests on materials or products used in building regulation.

1.2 This guide describes how sponsors and users of fire test reports for reaction to fire tests can assess whether existing reports continue being applicable: (1) to the materials or products currently being offered for use, and (2) to a building regulation that references a different edition of the test standard. This guide is intended to identify conditions that may cause a fire test report for reaction to fire tests, which was valid when prepared, to no longer be an appropriate tool upon which decisions about the materials or products can be based.

1.3 Application of this guide is dependent on the technical changes in the fire test standard that could impact the test results and thus the classification of the material or product. Application of this guide will be better facilitated when fire test standards include explicit documentation of significant historical technical changes.

1.4 This guide does not address fire test reports relating to fire resistance tests.

1.5 The determination of the validity of a fire test report is outside the scope of this guide.

1.6 Fire test reports or certificates on assemblies are outside the scope of this guide.

1.7 Fire test reports or certificates on materials or products listed, labeled and inspected by a certification agency are outside the scope of this guide.

NOTE 1—Certification agencies have their own criteria to assess the continued applicability of fire test reports.

1.8 Some concepts contained in this guide may not be applicable to all fire test reports since they are a function of the type of fire test conducted and of the type of material or product assessed.

¹ This guide is under the jurisdiction of ASTM Committee E05 on Fire Standards and is the direct responsibility of Subcommittee E05.31 on Terminology and Services / Functions.

Current edition approved Jan. 1, 2024. Published January 2024. Originally approved in 2015. Last previous edition approved in 2019 as E2989-19a. DOI: 10.1520/E2989-19AR24.

1.9 This fire standard cannot be used to provide quantitative measures.

1.10 *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.*

2. Referenced Documents

2.1 ASTM Standards:²

E84 Test Method for Surface Burning Characteristics of Building Materials

E176 Terminology of Fire Standards

E2536 Guide for Assessment of Measurement Uncertainty in Fire Tests

2.2 Other Standards:³

ISO 13943 Fire Safety – Vocabulary

ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories

3. Terminology

3.1 *Definitions*—For definitions of terms used in this guide and associated with fire issues, refer to the terminology contained in Terminology E176 and ISO 13943. In case of conflict, the terminology in Terminology E176 shall prevail.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *certification agency (organization), n*—an accredited agency operating a product or material certification system that incorporates initial product testing, assessment and surveillance of a manufacturer’s quality control system.

3.2.2 *labeled, adj*—equipment, materials or products to which has been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, inspection agency or other organization concerned with product

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, http://www.ansi.org.