



Designation: E 176 – 02

Standard Terminology of Fire Standards¹

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1. Scope

1.1 This terminology covers terms, related definitions, and descriptions of terms used or likely to be used in fire-test-response standards, fire-hazard-assessment standards, and fire-risk-assessment standards. Definitions of terms are special-purpose definitions that are consistent with the standard definitions but are written to ensure that a specific fire-test-response standard, fire-hazard-assessment standard, or fire-risk-assessment standard is properly understood and precisely interpreted.

NOTE 1—For additional information, refer to ASTM Policy on Fire Standards.²

2. Referenced Documents

2.1 ASTM Standards:

- D 3286 Test Method for Gross Calorific Value of Coal and Coke by the Isoperibol Bomb Calorimeter³
- E 84 Test Method for Surface Burning Characteristics of Building Materials⁴
- E 119 Test Methods for Fire Tests of Building Construction and Materials⁴
- E 152 Methods of Fire Tests of Door Assemblies⁵
- E 163 Method for Fire Tests of Window Assemblies⁵
- E 648 Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source⁴
- E 800 Guide for Measurement of Gases Present or Generated During Fires⁴
- E 814 Test Method for Fire Tests of Through-Penetration Fire Stops⁴
- E 906 Test Method for Heat and Visible Smoke Release Rates for Materials and Products⁴
- E 970 Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source⁴

E 1317 Test Method for Flammability of Marine Surface Finishes⁴

E 1321 Test Method for Determining Material Ignition and Flame Spread Properties⁴

E 1352 Test Method for Cigarette Ignition Resistance of Mock-Up Upholstered Furniture Assemblies⁴

E 1353 Test Method for Cigarette Ignition Resistance of Components of Upholstered Furniture⁴

E 1354 Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter⁴

E 1474 Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter⁴

E 1529 Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies⁴

E 1537 Test Method for Fire Testing of Upholstered Furniture Items⁴

E 1590 Test Method for Fire Testing of Mattresses⁴

E 1623 Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL)⁴

E 1678 Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analyses⁴

E 1725 Test Method for Fire Tests of Fire Resistive Barrier Systems for Electrical System Components⁴

E 1776 Guide for Development of Fire-Risk-Assessment Standards⁴

E 1822 Test Method for Fire Testing of Stacked Chairs⁴

2.2 ISO Standards⁶:

ISO 13943, Fire Safety-Vocabulary

3. Significance and Use

3.1 *Definitions*—Terms and related definitions given in Section 4 are intended for use uniformly and consistently in all fire test standards and in all fire-test-response standards, fire-hazard-assessment standards, and fire-risk-assessment standards in which they appear.

3.2 Definitions of Terms Specific to This Standard:

⁶ Date indicates year of introduction or latest review or revision.

¹ This terminology is under the jurisdiction of ASTM Committee E05 on Fire Standards and is the responsibility of Subcommittee E05.31 on Terminology and Editorial.

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² Available from ASTM Headquarters, 100 Barr Harbor Drive, West Conshohocken, PA 19428.

³ *Annual Book of ASTM Standards*, Vol 05.05.

⁴ *Annual Book of ASTM Standards*, Vol 04.07.

⁵ Discontinued; see 1994 *Annual Book of ASTM Standards*, Vol 04.07.