



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:³

- D 3286 Test Method for Gross Calorific Value of Coal and Coke by the Isoperibol Bomb Calorimeter
- E 84 Test Method for Surface Burning Characteristics of Building Materials
- E 136 Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
- E 119 Test Methods for Fire Tests of Building Construction and Materials
- E 152 Methods of Fire Tests of Door Assemblies
- E 163 Method for Fire Tests of Window Assemblies
- E 648 Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
- E 800 Guide for Measurement of Gases Present or Generated During Fires
- E 814 Test Method for Fire Tests of Through-Penetration Fire Stops
- E 906 Test Method for Heat and Visible Smoke Release Rates for Materials and Products

- E 970 Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source
- E 1317 Test Method for Flammability of Marine Surface Finishes
- E 1321 Test Method for Determining Material Ignition and Flame Spread Properties
- E 1352 Test Method for Cigarette Ignition Resistance of Mock-Up Upholstered Furniture Assemblies
- E 1353 Test Method for Cigarette Ignition Resistance of Components of Upholstered Furniture
- E 1354 Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
- E 1474 Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter
- E 1529 Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies
- E 1537 Test Method for Fire Testing of Upholstered Furniture Items
- E 1590 Test Method for Fire Testing of Mattresses
- E 1623 Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL)
- E 1678 Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analyses
- E 1725 Test Method for Fire Tests of Fire Resistive Barrier Systems for Electrical System Components
- E 1776 Guide for Development of Fire-Risk-Assessment Standards
- E 1822 Test Method for Fire Testing of Stacked Chairs

2.2 ISO Standards⁴:

- ISO 1182, Fire Tests—Building Materials—Non-Combustibility Test
- 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

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 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.

⁴ Available from International Standardization Organization, ISO Central Secretariat 1, rue de Varembe, Case postale 56, CH-1211, Geneva 20, Switzerland or American National Standards Institute, 11 West 42nd Street, New York, NY, 10046.

