

## ASTM International Technical Committee E05 on Fire Standards

### Scope

The Committee shall be responsible for:

- \* The development and revision of fire standards intended for analysis and assessment of the fire performance of materials, products and assemblies within their relevant environment;
- \* The development and revision of fire test standards intended to measure and describe the response of materials, products and assemblies to sources of heat and/or flame under controlled conditions; and
- \* The stimulation and, where appropriate, support of fire-related research; and, the administration and evaluation of fire research programs related to E05 activities;
- \* The development and revision of fire hazard and fire risk assessment standards, including those suitable for use by regulatory officials, which deal with, but are not limited to: buildings, structures, materials, products and assemblies; furnishings and contents; mechanical and electrical appliances and equipment; and transportation facilities and equipment;
- \* The development and revision of fire test methods for measuring fire responses and properties of materials, products and assemblies when exposed to laboratory sources of heat, or flame, or both. Such methods shall relate to the fire performance of materials, products and assemblies as part of a relevant fire environment, using appropriate information and experience from actual fires and analysis of results of fire research;
- \* Identifying means for measuring the hazard or risk associated with fire, or during the fire extinguishment process;
- \* Monitoring the public need for fire standards, and proposing new standards as appropriate;
- \* Providing guidance to the user of fire standards on the words and methods used to communicate fire aspects of materials, products and assemblies; and
- \* Providing guidance to laboratories performing fire tests and encouraging good laboratory practice to promote safe use of materials, products, and assemblies.

The work of this Committee shall be coordinated with other ASTM Committees and other organizations having mutual interests.



### Quick Facts

**Established** 1904  
**Number of Members** 550+  
**Number of Standards** 71  
**Global Participation**  
23 Countries represented  
**The standards are available in**  
Volume 04.07 in the *Annual Book of ASTM Standards*  
**Meetings** E05 meets twice each year, in June and December

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**Learn more about Committee E05**  
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## E05 List of Subcommittees

- E05.11 Fire Resistance
- E05.14 External Fire Exposures
- E05.17 Transportation
- E05.21 Smoke and Combustion Products
- E05.22 Surface Burning
- E05.22.02 Mounting Methods for Steiner Tunnel Test
- E05.23 Combustibility
- E05.31 Terminology and Services / Functions
- E05.32 Research
- E05.33 Fire Safety Engineering
- E05.36 Membership
- E05.37 Honors, Awards and Nominations
- E05.40 Division 4 - Coordination of US TAGS to ISO TC 92
- E05.41 International Standards for Fire Initiation and Growth
- E05.42 Fire Containment
- E05.43 Fire Threat to People and the Environment
- E05.44 Fire Safety Engineering
- E05.90 Executive
- E05.91 Planning and Review
- E05.91.03 Harmonization of ASTM/NFPA/UL Fire Standards

## Key Documents

- E84 Standard Test Method for Surface Burning Characteristics of Building Materials
- E108 Standard Test Methods for Fire Tests of Roof Coverings
- E119 Standard Test Methods for Fire Tests of Building Construction and Materials
- E162 Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source
- E176 Standard Terminology of Fire Standards
- E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
- E1354 Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
- E1590 Standard Test Method for Fire Testing of Mattresses
- E2187 Standard Test Method for Measuring the Ignition Strength of Cigarettes