

## CHAPTER 4

# REFERENCED STANDARDS

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## ASTM

ASTM International  
100 Barr Harbor Drive, P.O. Box C700  
West Conshohocken, PA 19428-2959

- ASTM C177:** Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded Hot Plate Apparatus
- ASTM C208:** Standard Specification for Cellulosic Fiber Insulating Board
- ASTM C518:** Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
- ASTM C1029:** Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation
- ASTM C1363:** Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
- ASTM D1621:** Test Method for Compressive Properties of Rigid Cellular Plastics
- ASTM D1622:** Test Method for Determining Apparent Density of Rigid Cellular Plastics
- ASTM D1623:** Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics (Type B Specimen)
- ASTM D2126:** Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
- ASTM D6226:** Standard Test Method for Open-Cell Content of Rigid Cellular Plastics
- ASTM D7425:** Standard Specification for Spray Polyurethane Foam Used for Roofing Applications
- ASTM E84:** Test Methods for Surface Burning Characteristics of Building Materials
- ASTM E96:** Test Method for Water Vapor Transmission of Materials
- ASTM E108:** Test Method for Fire Tests of Roof Coverings
- ASTM E119:** Test Methods for Fire Tests of Building Construction and Materials
- ASTM E283:** Test Method for Determining the Rate of Air Leakage through Exterior Windows Curtain Walls and Doors under Specified Pressure Differences across the Specimen
- ASTM E970:** Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source
- ASTM E2178:** Standard Test Method for Air Permeance of Building Materials Factory Mutual Global Research

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## FM

FM Approvals  
Headquarters Office  
1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, MA 02062

- FM 4450:** Approval Standard for Class 1 Insulated Steel Deck Roofs
- FM 4880:** American National Standard for Evaluating Insulated Wall or Wall and Roof/Ceiling Assemblies Plastic Interior Finish Materials Plastic Exterior Building Panels Wall/Ceiling Coating Systems Interior or Exterior Finish Systems

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## ICC

International Code Council, Inc.  
500 New Jersey Ave NW  
6th Floor  
Washington, DC 20001

- IBC:** International Building Code®
- IMC:** International Mechanical Code®
- IRC:** International Residential Code®

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## NFPA

National Fire Protection Association  
1 Batterymarch Park  
Quincy, MA 02169-7471

**NFPA 259: Test Method for Potential Heat of Building Materials**

**NFPA 268: Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source**

**NFPA 276: Standard Method of Fire Tests for Determining Heat Release Rate of Roofing Assemblies with Combustible Above-Deck Components**

**NFPA 285: Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonload-Bearing Wall Assemblies Containing Combustible Components Using the Intermediate-Scale, Multistory Test Apparatus**

**NFPA 286: Standard Method of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth**

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## UL

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062-2096

**UL 263: Standard for Fire Test of Building Construction and Materials**

**UL 723: Test for Surface Burning Characteristics of Building Materials**

**UL 790: Tests for Fire Resistance for Roof Covering Materials**

**UL 1040: Fire Test of Insulated Wall Construction**

**UL 1256: Fire Tests of Roof Deck Construction**

**UL 1715: Fire Tests of Interior Finish Material**