

Felt Tips

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New ASTM Standards Update

As promised, here is our fourth annual installment of new ASTM standards. The following construction-related standards were adopted by the American Society for Testing and Materials in 1995. *Descriptions are in italics.*

Just as a reminder, here is the organization of the standards:

A—Ferrous Metals

B—Non-Ferrous Metals.

C—Cementitious, Ceramic, Concrete, and Masonry Materials.

D—Miscellaneous Materials.

E—Miscellaneous Subjects.

F—Materials for Specific Applications.

G—Corrosion, Deterioration, and Degradation of Materials.

ES—Emergency Standards.

P—Proposals.

PS—Provisional Standards. This is a new group. These standards have a 2 year life span, when they must be re-evaluated.

A 48M-94, Specification for Gray Iron Castings [Metric].

A 929/A 929M-95, Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe.

A 930-94, Practice for Life-Cycle Cost Analysis of Corrugated Metal Pipe Used for Culverts, Storm Sewers, and Other Buried Conduits.

A 933/A 933M-95, Specifications for Vinyl (PVC) Coated Steel; Wire and Welded Wire Fabric for Reinforcement.

A 934/A 934-95, Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars.

B 187M-94, Specification for Copper Bar, Bus Bar, Rod and Shapes [Metric].

B 839-94, Method for Residual Embrittlement in Metallic Coated, Externally Threaded Articles, Fasteners, and Rod—Inclined Wedge Method.

B 855-94, Test Method for Volumetric Flow Rate of Metal Powders Using the Arnold Meter and Hall Funnel.

B 860-95, Specification for Zinc Master Alloys for Use in Hot Dip Galvanizing.

C 1131-94, Practice for Least Cost (life Cycle) Analysis of Concrete Culvert, Storm Sewer, and Sanitary Sewer Systems.

C 1266-94, Test Method for Flow Characteristics of Preformed Tape Sealants.

C 1277-94, Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings.

C 1280-94, Specification for Application of Gypsum Sheathing Board.

C 1281-94, Specification for Preformed Tape Sealants for Glazing Applications.

C 1283-94, Practice for Installing Clay Flue Lining.

C 1288-95, Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets.

- C 1289-95, Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.
- C 1290-95, Specification for Flexible Fibrous Glass Blanket Insulation Used to Externally Insulate HVAC Ducts.
- D 5521-94, Guide for Development of Ground Water Monitoring Wells in Granular Aquifers.
- D 5526-94, Test Method for determining Anaerobic Biodegradation of Plastic Materials under Accelerated Landfill Conditions.
- D 5549-94, Guide for Reporting Geostatistical Site Investigations.
- D 5572-94, Specification for Adhesives Used in Finger Joints in Nonstructural Lumber Products.
- D 5573-94, Practice for Classifying Failure Modes in Fiber-Reinforced-Plastic (FRP) Joints.
- D 5574-94, Test Method for Establishing Allowable Mechanical Properties of Wood-Bonding Adhesives for Design of Structural Joints.
- D 5575-95, Classification for System and Basis for Specification of Copolymers of Vinylidene Fluoride (VDF) with Other Fluoridated Monomers.
- D 5581-94, Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6-Inch-Diameter Specimen).
- D 5582-94, Test Method for Determining Formaldehyde Levels from Wood Products Using a Desiccator
- D 5583-94, Test Method for Detection and Estimation of Retention of Wood Preservatives by Aspergillus Bioassaying.
- D 5584-94, Test Methods for Chemical Analysis of Ammoniacal Copper Quat Type B (ACQ-B).
- D 5592-94, Guide for Material Properties Needed in Engineering Design Using Plastics.
- D 5593-94, Classification System for Thermoplastic Elastomers—Olefinic (TEO).
- D 5601-94, Test Method for the Tearing Resistance of Roofing and Waterproofing Materials and Membranes.
- D 5602-94, Test Method for Static Puncture Resistance of Roofing Membrane Specimens.
- D 5607-94, Test Method for Performing Laboratory Direct Shear Strength Tests of Rock Specimens under Constant Normal Stress.
- D 5610-94, Test Method for Open Channel Flow Measurement of Water with Broad-Crested Weirs.
- D 5617-94, Test Method for Multi-Axial Tension Test for Geosynthetics.
- D 5708-94, Practice for the Decontamination of Field Equipment Used at Low Level Radioactive Waste Sites.
- D 5609-94, Guide for Defining Boundary Conditions in Ground Water Flow Modeling.
- D 5611-94, Guide for Conducting a Sensitivity Analysis for Ground-Water Flow Model Application.
- D 5615-94, Test Method for Operating Characteristics of Home Reverse Osmosis Devices. *Water standard.*
- D 5616-94, Specification for Reclaimed Trichloroethylene. *For halogenated Organic Solvents and Fire Extinguishing Agents.*
- D 5618-94, Test Method for Measurement of Barnacle Adhesion Strength in Shear. *For paint and related coatings.*
- D 5632-94, Specification for Halon 1301 Bromotrifluoromethane (CF₃Br).
- D 5635-94, Test Method for Dynamic Puncture Resistance of Roofing Membrane Specimens.
- D 5636-94, Test Method for Low Temperature Unrolling of Felt or Sheet Roofing and Waterproofing Materials.
- D 5643-94, Specification for Coal Tar Roof Cement, Asbestos Free.
- D 5651-95, Test Method for Surface Bond Strength of Wood-Base Fiber and Particle Panel Materials.
- D 5652-95, Test Methods for Bolted Connections in Wood and Wood-Base Products.
- D 5653-95, Specification for Copper BIS (Dimethyldithiocarbamate).
- D 5654-95, Specification for Ammoniacal Copper Quat Type B (ACQ-B).
- D 5655-95, Method of Analysis of Copper Dimethyldithiocarbamate (CDDC) Treated Wood by Colorimetry.
- D 5658-95, Practice for Sampling Unconsolidated Waste from Trucks. *For waste management.*
- D 5665-95, Specification for Thermoplastic Fabrics Used in Cold-Applied Roofing and Waterproofing.
- D 5674-95, Guide for Operation of a Gaging Station (*Gaging stations measure flow of water in rivers and streams*).
- D 5677-95, Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type, for Aviation Jet Turbine Fuel Lines.
- D 5678-95, Test Method for Freeze/Thaw Resistance of Wax Emulsion Floor Polish.
- D 5685-95, Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe Fittings.
- D 5686-95, Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type Epoxy Resin, for Condensate Return Lines.
- D 5702-95, Practice for Field Sampling of Coating Films for Analysis of Heavy Metals.
- D 5703-95, Practice for Preparatory Surface Cleaning for Clay Brick Masonry.

- D 5715-95, Test Method for Estimating Humification of Peat and Other Organic Soils (Visual/Manual Method).
- D 5718-95, Guide for Documenting a Ground-Water Flow Model Application.
- D 5720-95, Practice for Static Calibration of Electronic Transducer Based Pressure Measurement Systems for Geotechnical Purposes.
- D 5722-95, Practice for Performing Accelerated Outdoor Weathering of Factory Coated Embossed Hardboard Using Concentrated Natural Sunlight and a Soak-Freeze-Thaw Procedure.
- E 1486-94, Test Method for Determining Floor Tolerances Using Waviness, Wheel Path and Levelness Criteria.
- E 1486M-94, Test Method for Determining Floor Tolerances Using Waviness, Wheel Path and Levelness Criteria [Metric].
- E 1591-94, Guide for Data for Fire Models.
- E 1602-94, Guide for Construction of Solid Fuel Burning Masonry Heaters.
- E 1623-94, Test Method for determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL).
- E 1625-94, Test Method for Determining Biodegradability of Organic Chemicals in Semi-Continuous Activated Sludge (SCAS).
- E 1626-94, Guide for Including Government Procurement Requirements in ASTM Documents.
- E 1643-94, Practices for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.
- E 1647-94, Practice for Determining Contrast Sensitivity in Radioscopy. *For nondestructive testing.*
- E 1656-94, Guide for Classification of Automated Pavement Condition Survey Equipment.
- E 1660-95, Classification for Serviceability of an Office Facility for Support for Office Work.
- E 1661-95, Classification for Serviceability of an Office Facility for Meetings and Group Effectiveness.
- E 1662-95, Classification for Serviceability of an Office Facility for Sound and Visual Environment.
- E 1663-95, Classification for Serviceability of an Office Facility for Typical Office Information Technology.
- E 1664-95, Classification for Serviceability of an Office Facility for Layout and Building Factors.
- E 1665-95, Classification for Serviceability of an Office Facility for Facility Protection.
- E 1666-95, Classification for Serviceability of an Office Facility for Work Outside Normal Hours or Conditions.
- E 1667-95, Classification for Serviceability of an Office Facility for Image to Public and Occupants.
- E 1668-95, Classification for Serviceability of an Office Facility for Amenities to Attract and Retain Staff.
- E 1669-95, Classification for Serviceability of an Office Facility for Location, Access, and Wayfinding.
- E 1670-95, Classification for Serviceability of an Office Facility for Management of Operations and Maintenance.
- E 1671-95, Classification for Serviceability of an Office Facility for Cleanliness.
- E 1675-95, Practice for Sampling Two-Phase Geothermal Fluid for Purposes of Chemical Analysis.
- E 1677-95, Specification for an Air Retarder (AR) Material or System for Low-Rise Framed Building Walls.
- E 1685-95, Practice for Measuring the Change in Length of Fasteners Using the Ultrasonic Pulse-Echo Technique.
- E 1689-95, Guide for Developing Conceptual Site Models for Contaminated Sites.
- E 1696-95, Test Method for Field Measurement of Raised Retroreflective Pavement Markers Using a Portable Reflectometer.
- E 1699-95, Practice for Performing Value Analysis (VA) of Buildings and Building Systems.
- E 1705-95, Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straight-Edge.
- ES 40, Practice for Procedures for the Assessment of Buried Steel Tanks Prior to the Addition of Cathodic Protection.
- F 959M-94, Specification for Compressible-Washer Type Direct Tension Indicators for Use with Structural Fasteners [Metric].
- F 1473-94, Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins.
- F 1488-94, Specification for Coextruded Composite Pipe.
- F 1514-95, Test Method for Measuring Heat Stability of Resilient Vinyl Flooring by Color Change.
- F 1543-94, Specification for Shock Attenuation Properties of Fencing Surfaces. *For sports equipment and facilities.*
- F 1545-95, Specification for Plastic-Lined Ferrous Metal Pipe, Fittings, and Flanges.

- F 1550M-94, Test Method for Determination of Fire-Test-Response Characteristics of Components or Composites of Mattresses or Furniture for Use in Correctional Facilities after Exposure to Vandalism by Employing a Bench Scale.
- F 1553-94, Guide for Specifying Chain Link Fence.
- F 1554-94, Specification for Anchor Bolts, Steel, 36, 55, and 105 ksi Yield Strength
- F 1561-94, Performance Requirements for Plastic Chairs for Outdoor Use.
- F 1563-94, Specification for Tools to Squeeze Off Polyethylene (PE) Gas Pipe or Tubing.
- F 1564-94, Specification for Structure-Mounted Insulated Work Platforms for Electrical Workers.
- F 1568-94, Specification for Food Processors, Electric.
- F 1575-95, Test Method for Determining Bending Yield Moment of Nails.
- F 1576-95, Guide for Selection of Security Control Systems Part II—Defining the Central Control System.
- F 1577-95, Test Methods for Detention Locks for Swinging Doors.
- F 1588-95, Test Method for Constant Tensile Load Joint Test (CTLJT). *For plastic pipe.*
- F 1592-95, Test Method for Detention Hollow Metal Vision Systems.
- F 1602-95, Specification for Kettles, Steam Jacketed, 20 to 200 Gallons (75.7 to 757 Liter), Floor or Wall-Mounted, Direct Connected, Gas Fired or Electric Fired.
- F 1604-95, Specification for Freezers, Ice Cream, Soft Serve, Shake.
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- G 129-95, Practice for Slow Strain Rate Testing to Evaluate the Susceptability of Metallic Materials to Environmentally Assisted Cracking (EAC).
- G 130-95, Test Method for Calibration of Narrow and Broad Band Ultraviolet Radiometers Using a Spectroradiometer. *For durability of nonmetallic materials.*
- G 131-95, Practice for Cleaning of Materials and Components by Ultrasonic Techniques.
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- P 243, Test Method for Toughness and Tenacity of Bituminous Materials. *For road and paving materials.*
- P 248, Specification for Performance Graded Asphalt Binder.
- P 249, Practice for Grading or Verifying the Performance of an Asphalt Binder.
- P 252, Test Method for Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT).
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- PS 1-94, Specification for PVC Sewer and Drain Pipe Containing Recycled PVC Material.
- PS 7-95, Specification for Iodotrifluoromethane CF_3I . *For halogenated Organic Solvents and Fire Extinguishing Agents.*
- PS 8-95, Specification for Poly(Vinyl Chloride) (PVC) Non-Pressure Pipe Having Reprocessed-Recycled Content.
- PS 15-94, Specification for Molding, Compounds, Thermosetting. *For plastic materials.*
- PS 16-95, Specification for Liquid Coating Encapsulation Products for Leaded Paint in Buildings.
- PS 18-95, Practice for Use of Qualitative Chemical Spot Test Kits for the Detection of Lead in Dry Paint Films.

Sources: ASTM Standardization News. January 1995 to December 1995.

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