ASTM Volume 04.04, June 2018

Roofing and Waterproofing


C957/C957M-17 Standard Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane With Integral Wearing Surface


C1305/C1305M-16 Standard Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane


C1471/C1471M-05(2014)e1 Standard Guide for the Use of High Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane on Vertical Surfaces


D6/D6M-95(2011)e1 Standard Test Method for Loss on Heating of Oil and Asphalritic Compounds

D36/D36M-14e1 Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)


D43/D43M-00(2012)e1 Standard Specification for Coal Tar Primer Used in Roofing, Dampproofing, and Waterproofing


D173/D173M-03(2011)e1 Standard Specification for Bitumen-Saturated Cotton Fabrics Used in Roofing and Waterproofing
D226/D226M-17 Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing

D227/D227M-03(2011)e1 Standard Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing

D228/D228M-16 Standard Test Methods for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing

D312/D312M-16a Standard Specification for Asphalt Used in Roofing

D449/D449M-03(2014)e1 Standard Specification for Asphalt Used in Dampproofing and Waterproofing

D450/D450M-07(2013)e1 Standard Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing


D1079-16 Standard Terminology Relating to Roofing and Waterproofing

D1187/D1187M-97(2011)e1 Standard Specification for Asphalt-Base Emulsions for Use as Protective Coatings for Metal

D1227-13 Standard Specification for Emulsified Asphalt Used as a Protective Coating for Roofing

D1327/D1327M-04(2012)e1 Standard Specification for Bitumen-Saturated Woven Burlap Fabrics Used in Roofing and Waterproofing


D1668/D1668M-97a(2014)e1 Standard Specification for Glass Fabrics (Woven and Treated) for Roofing and Waterproofing

D1669/D1669M-07(2013)e1 Standard Practice for Preparation of Test Panels for Accelerated and Outdoor Weathering of Bituminous Coatings

D1670/D1670M-11 Standard Test Method for Failure End Point in Accelerated and Outdoor Weathering of Bituminous Materials


D2178/D2178M-15a Standard Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
D2521/D2521M-76(2014)e1 Standard Specification for Asphalt Used in Canal, Ditch, and Pond Lining

D2523-13 Standard Practice for Testing Load-Strain Properties of Roofing Membranes


D2824/D2824M-13 Standard Specification for Aluminum-Pigmented Asphalt Roof Coatings, Nonfibered, and Fibered without Asbestos


D3019/D3019M-17 Standard Specification for Lap Cement Used with Asphalt Roll Roofing, Non-Fibered, and Fibered

D3105-17 Standard Index of Methods for Testing Elastomeric and Plastomeric Roofing and Waterproofing Materials

D3161/D3161M-16a Standard Test Method for Wind-Resistance of Steep Slope Roofing Products (Fan-Induced Method)

D3409/D3409M-93(2016)e1 Standard Test Method for Adhesion of Asphalt-Roof Cement to Damp, Wet, or Underwater Surfaces

D3423/D3423M-15 Standard Practice for Application of Emulsified Coal-Tar Pitch (Mineral Colloid Type)

D3462/D3462M-16 Standard Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules


D3617/D3617M-17 Standard Practice for Sampling and Analysis of Built-Up Roof Systems During Application


D3791/D3791M-11 Standard Practice for Evaluating the Effects of Heat on Asphalts

D3805/D3805M-16 Standard Guide for Application of Aluminum-Pigmented Asphalt Roof Coatings

D3909/D3909M-14 Standard Specification for Asphalt Roll Roofing (Glass Felt) Surfaced With Mineral Granules


D4434/D4434M-15 Standard Specification for Poly(Vinyl Chloride) Sheet Roofing


D4637/D4637M-15 Standard Specification for EPDM Sheet Used In Single-Ply Roof Membrane


D4799/D4799M-17 Standard Practice for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Fluorescent UV, Water Spray, and Condensation Method)

D4811/D4811M-16 Standard Specification for Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing

D4830/D4830M-98(2014)e1 Standard Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing


D4897/D4897M-16 Standard Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing


D4989/D4989M-90a(2014)e1 Standard Test Method for Apparent Viscosity (Flow) of Roofing Bitumens Using the Parallel Plate Plastometer


D5076/D5076M-13 Standard Test Method for Measuring Voids in Roofing and Waterproofing Membranes

D5081/D5081M-90(2011)e1 Standard Test Method for Aggregate Layer Hiding Power


D5295/D5295M-18 Standard Guide for Preparation of Concrete Surfaces for Adhered (Bonded) Membrane Waterproofing Systems


D5727/D5727M-00(2017) Standard Specification for Emulsified Refined Coal Tar (Mineral Colloid Type)

D5843/D5843M-95(2014)e1 Standard Guide for Application of Fully Adhered Vulcanized Rubber Sheets Used in Waterproofing


D6136/D6136M-15 Standard Test Method for Kerosine Number of Unsaturated (Dry) Felt by Vacuum Method

D6152/D6152M-12 Standard Specification for SEBS-Modified Mopping Asphalt Used in Roofing
D6511/D6511M-06(2011)e1 Standard Test Methods for Solvent Bearing Bituminous Compounds


D6630/D6630M-16 Standard Guide for Low Slope Insulated Roof Membrane Assembly Performance


D6754/D6754M-15 Standard Specification for Ketone Ethylene Ester Based Sheet Roofing

D6757/D6757M-16a Standard Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep-Slope Roofing


D6878/D6878M-17 Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing

D6945/D6945M-03(2017) Standard Specification for Emulsified Refined Coal-Tar (Ready to Use, Commercial Grade)

D6946/D6946M-13e1 Standard Specification for Emulsified Refined Coal-Tar (Driveway Sealer, Ready to Use, Primarily Residential Grade)


D6948/D6948M-03(2017) Standard Practice for Application of Refined Coal Tar (Ready to Use, Commercial Grade)


D7186-14 Standard Practice for Quality Assurance Observation of Roof Construction and Repair


D7349/D7349M-15 Standard Test Method for Determining the Capability of Roofing and Waterproofing Materials to Seal around Fasteners


D7425/D7425M-13 Standard Specification for Spray Polyurethane Foam Used for Roofing Applications

D7492/D7492M-16a Standard Guide for Use of Drainage System Media with Waterproofing Systems


D7586/D7586M-11 Standard Test Method for Quantification of Air Intrusion in Low-Sloped Mechanically Attached Membrane Roof Assemblies


D7636/D7636M-11 Standard Practice for Sampling and Analysis of Modified Bitumen Roof Systems

D7654/D7654M-10 Standard Specification for Asphalt Used in Roofing Measured by Dynamic Shear Rheometer

D7655/D7655M-12(2017) Standard Classification for Size of Aggregate Used as Ballast for Membrane Roof Systems


D7832/D7832M-14 Standard Guide for Performance Attributes of Waterproofing Membranes Applied to Below-Grade Walls / Vertical Surfaces (Enclosing Interior Spaces)

D7851-17 Standard Guide for Design of Sustainable, Low-Slope Roofing Systems

D7897-15 Standard Practice for Laboratory Soiling and Weathering of Roofing Materials to Simulate Effects of Natural Exposure on Solar Reflectance and Thermal Emittance

D7954/D7954M-15a Standard Practice for Moisture Surveying of Roofing and Waterproofing Systems Using Non-Destructive Electrical Impedance Scanners

D8013-16 Standard Guide for Establishing a Recycle Program for Roof Coverings Roofing Membrane and Shingle Materials

D8014-17 Standard Guide for Selection of Membranes Used in Vegetative Roofing Systems

D8051/D8051M-16 Standard Specification for Wax-Modified Asphalt Used in Roofing

D8052/D8052M-17 Standard Test Method for Quantification of Air Leakage in Low-Sloped Membrane Roof Assemblies

D8099/D8099M-17 Standard Specification for Asphalt Emulsion Pavement Sealer (Mineral Colloid or Chemically Stabilized Type)

D8109-17 Standard Guide for Waterproofing Repair of Concrete by Chemical Grout Crack Injection

D8154-17 Standard Test Methods for 1H-NMR Determination of Ketone-Ethylene-Ester and Polyvinyl Chloride Contents in KEE-PVC Roofing Fabrics


E1918-16 Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field

E1980-11 Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces


E2397/E2397M-15 Standard Practice for Determination of Dead Loads and Live Loads Associated with Vegetative (Green) Roof Systems


E2399/E2399M-15 Standard Test Method for Maximum Media Density for Dead Load Analysis of Vegetative (Green) Roof Systems


E2777-14 Standard Guide for Vegetative (Green) Roof Systems