

REFERENCED ORGANIZATIONS

American Association of State Highway & Transportation Officials (AASHTO)

444 North Capitol Street, NW, Suite 249
Washington, DC 20001
Tel: 202-624-5800 Fax: 202-624-5806
www.aashto.org

American Concrete Institute (ACI)

P.O. Box 9094
Farmington Hills, MI 58333
Tel: 248-848-3700 Fax: 248-848-3701
www.aci-int.org/

American Galvanizers Association (AGA)

6881 South Holly Circle, Suite 108
Englewood, CO 80112
Tel: 720-554-0900 Fax: 720-554-0909
www.galvanizeit.org/

American National Standards Institute (ANSI)

11 West 42nd Street
New York, NY 10036
Tel: 212-642-4900 Fax: 212-398-0023
www.ansi.org

American Society for Testing & Materials (ASTM)

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Tel: 610-832-9500 Fax: 610-832-9555
www.astm.org

American Water Works Association (AWWA)

6666 West Quincy Avenue
Denver, CO 80235
Tel: 303-794-7711
www.awwa.org

American Welding Society (AWS)

550 N.W. LeJeune Road
Miami, FL 33126
Tel: 305-443-9353 Fax: 305-443-7559
www.aws.org

British Standards Institute (BSI)

2 Park Street
London, W1A 2BS
United Kingdom
Tel: +44(0)181-996-9000 Fax: +44(0)181-996-7400
www.bsi.org.uk/bsi

Canadian General Standards Board (CGSB)

222 Quen St., Suite 1500
Ottawa, Ontario K1A 1G6
Canada
Tel: 819-956-0894 Fax: 819-956-1634
www.pwgsc.gc.ca

Canadian Standards Association (CSA)

178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
Tel: 416-747-4000 Fax: 416-747-4149
www.csa-international.org

General Services Administration (GSA)

Specifications Unit (WFSIS)
7th and D Streets, SW
Washington, DC 20407
Tel: 202-619-8925
www.gsa.gov

Information Handling Services (IHS)

15 Inverness Way East
Englewood, CO 80112
Tel: 800-790-0600 Fax: 800-525-7052
www.ihs.com/products

ISEA - The Safety Equipment Association

1901 North Moore Street
Arlington, VA 22209-11762
Tel: 703-525-1695 Fax: 703-528-2148
www.safetycentral.org/isea/

International Organization for Standardization (ISO)

c/o American National Standards Institute
11 West 42nd Street, 13th Floor
New York, NY 10036
Tel: 212-642-4900 Fax: 212-398-0023

NACE International

1440 South Creek Drive
P.O. Box 218340
Houston, TX 77218-8340
Tel: 281-228-6200 Fax: 281-228-6300
www.nace.org

National Paint & Coatings Association (NPCA)

1500 Rhode Island Ave., NW
Washington, DC 20005-5503
Tel: 202-462-6272
www.paint.org



Documents

Document Sharing Hub

Naval Publications & Forms Center (NPFC)

Standards Documents Order Desk
700 Robbins Avenue, Bldg. 4D
Philadelphia, PA 19111-5098

Society of Automotive Engineers (SAE)

400 Commonwealth Drive
Warrendale, PA 15096-0001
Tel: 724-772-4841 Fax: 724-776-1830
www.sae.org

Society of Naval Architects & Marine Engineers (SNAME)

601 Pavonia Avenue, Suite 400
Jersey City, NJ 07306
Tel: 800-798-2188 Fax: 201-798-4975
www.sname.org

Steel Founders' Society of America (SFSA)

Cast Metals Federation Building
455 State Street
Des Plaines, IL 670016
Tel: 847-299-9160 Fax: 847-299-3105
www.sfsa.org

SSPC: The Society for Protective Coatings

40 24th Street, 6th Floor
Pittsburgh, PA 15222
Tel: 412-281-2331 Fax: 412-281-9992
www.sspc.org

U.S. Army Corps of Engineers (USACE) Publications

Publications Depot
Attn: CEIM-IM-PD
2803 52nd Avenue
Hyattsville, MD 20781-1102
Tel: 301-394-0081/0082/0083 Fax: 301-394-0084
www.nws.usace.army.mil/inet/usace-docs/

U.S. Department of the Interior

Bureau of Reclamation
P.O. Box 25007
Denver Federal Center
Denver, Co 80225-0007
Tel: 303-445-2692 Fax: 303-236-6763
www.usbr.gov/main/infozone/comments.html

STANDARDS AND SPECIFICATIONS REFERENCED IN VOLUME 2

American Association of State Highway and Transportation Officials (AASHTO)

- M 69 Aluminum Paint
- M 70 White & Tinted Ready-Mix Oil Base Paint
- M 229 Basic Lead Silico Chromate, Ready-Mixed Primer
- M 300 Inorganic Zinc-Rich Primer

American Concrete Institute (ACI)

- 116R Cement and Concrete Terminology
- 224.1R Causes, Evaluation, and Repair of Cracks in Concrete Structures
- 503R Use of Epoxy Compounds with Concrete
- 504R Guide to Joint Sealants for Concrete Structures
- 515.1R Guide to the Use of Waterproofing, Dampproofing, Protective and Decorative Barrier Systems for Concrete

American National Standards Institute (ANSI)

- 61 Drinking Water System Components - Health Effects
- A13.1 Scheme for Identification of Piping Systems
- A14.1 Ladders - Portable Wood - Safety requirements
- A14.2 Portable Metal Ladders
- C2.18 Guide for the Protection of Steel with Thermal Sprayed Coatings of Aluminum and Zinc and Their Alloys and Composites
- C203 Coal-Tar Protective Coatings and Linings for Steel Water Pipelines - Enamel and Tape - Hot Applied
- C205 Cement Mortar Protective Lining and Coating for Steel Water Pipe - 4 in. and Larger - Shop Applied
- C209 Cold-Applied Tape Coatings for the Exterior of Special Sections, Connections, and Fittings for Steel Water Pipelines
- C210 Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines
- C213 Fusion-Bonded Epoxy Coating for the Interior and Exterior of Steel Water Pipelines
- C215 Extruded Polyolefin Coatings for the Exterior of Steel Water Pipelines
- C216 Heat-Shrinkable Cross-Linked Polyolefin Coatings for the Exterior of Special Sections, Connections, and Fittings for Steel Water Pipelines
- C217 Cold-Applied Petrolatum Tape and Petroleum Wax Tape Coatings for the Exterior of Special Sections, Connections, and Fittings for Buried Steel Water Pipelines
- C652 Disinfection of Water - Storage Facilities
- D1.1 Structural Welding Code, Steel
- N5.12 (Canceled) Protective Coatings (Paints) for the Nuclear Power Industry
- N45.2.6 Qualification of Inspection, Examination, and Testing Personnel for Nuclear Power Plants (replaced by ANSI/ASME NQA -1-1994)

- N101.2 Protective Coatings (Paints) for Light Water Nuclear Reactors (withdrawn)
- N101.4 Quality Assurance for Protective Coatings Applied to Nuclear Facilities Containment Facilities (withdrawn)
- NQA-1 Quality Assurance Requirements for Nuclear Facility Applications (replaces ANSI/ASME N45.2.6)
- RP7 Practice for Industrial Lighting
- Z9.3 Exhaust Systems - Spray Finishing Operations - Safety Code for Design, Construction, and Ventilation
- Z9.4 Ventilation and Safe Practices of Abrasive Blasting Operations
- Z49.1 Safety in Welding and Cutting
- Z53.1 Safety Color Code for Marking Physical Hazards
- Z87.1 Practice for Occupational and Educational Eye and Face Protection
- Z88.2 Practices for Respiratory Protection
- Z89.1 Personnel Protection - Protective Headwear for Industrial Workers
- Z49.1 Safety in Welding, Cutting and Allied Processes
- Z117.1 Safety Requirements for Confined Spaces
- Z129.1 Hazardous Industrial Chemicals - Precautionary Labeling

American Society for Testing and Materials (ASTM)

- A 36 Specification for Carbon Structural Steel
- A 123 Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
- A 153 Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
- A 569 Specification for Steel, Carbon (0.15 Maximum Percent), Hot-Rolled Sheet and Strip, Commercial Quality
- A 607 Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled and Cold-Rolled
- A 780 Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings
- B 117 Practice for Operating Salt Spray (Fog) Apparatus
- B 287 (Canceled) Method of Acetic Acid-Salt Spray (Fog) Testing
- B 833 Specification for Zinc Wire for Thermal Spraying (Metallizing)
- C 128 Test Method for Specific Gravity and Absorption of Fine Aggregate
- C 136 Method for Sieve Analysis of Fine and Coarse Aggregates
- C 267 Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing
- C 279 Specification for Chemical-Resistant Masonry Mortar

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| C 287 | Specification for Chemical-Resistant Sulfur Mortar | D 92 | Test Method for Flash and Fire Points by Cleveland Open Cup |
| C 386 | Practice for Use of Chemical-Resistant Sulfur Mortar | D 93 | Test Methods for Flash Point by Pensky-Martens Closed Tester |
| C 395 | Specification for Chemical-Resistant Resin Mortars | D 95 | Test Method for Water in Petroleum Products and Bituminous Materials by Distillation |
| C 397 | Practice for Use of Chemically Setting Chemical-Resistant Silicate and Silica Mortars | D 128 | Test Methods for Analysis of Lubricating Grease |
| C 398 | Practice for Use of Hydraulic Cement Mortars in Chemical-Resistant Masonry | D 139 | Method for Float Test for Bituminous Materials |
| C 399 | Practice for Use of Chemical-Resistant Resin Mortars | D 153 | Test Methods for Specific Gravity of Pigments |
| C 466 | Specification for Chemically Setting Silicate and Silica Chemical-Resistant Mortars | D 154 | Guide for Testing Varnishes |
| C 566 | Test Method for Total Moisture Content of Aggregate by Drying | D 185 | Test Methods for Coarse Particles in Pigments, Pastes, and Paints |
| C 582 | Specification for Contact-Molded Reinforced Thermosetting Plastic (RTP) Laminates for Corrosion Resistant Equipment | D 209 | Specification for Lampblack Pigment |
| C 633 | Test Method for Adhesion or Cohesive Strength of Flame-Sprayed Coatings | D 212 | (Canceled) Specification for Chrome Green Pigment |
| C 658 | Specification for Chemical-Resistant Resin Grouts for Brick or Tile | D 234 | Specification for Raw Linseed Oil |
| C 661 | Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer | D 235 | Specification for Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent) |
| C 702 | Practice for Reducing Field Samples of Aggregate to Testing Size | D 237 | Specification for Orange Shellac and Other Lacs |
| C 723 | Practice for Chemical-Resistant Resin Grouts for Brick or Tile | D 263 | Specification for Chrome Oxide Green Pigment |
| C 805 | Test Method for Rebound Number of Hardened Concrete | D 281 | Test Method for Oil Absorption of Pigments by Spatula Rub-Out |
| C 811 | Practice for Surface Preparation of Concrete for Application of Chemical-Resistant Resin Monolithic Surfacing | D 296 | (Canceled) Specification for Rubber-Lined Fire Hose with Woven Jacket |
| C 868 | Test Method for Chemical Resistance of Protective Linings | D 331 | Specification for 2-Ethoxyethanol |
| C 1106 | Test Method for Chemical Resistance and Physical Properties of Carbon Brick | D 343 | (Canceled) Specification for 2-Ethoxyethyl Acetate (95% Grade) |
| C 1140 | Practice for Preparing and Testing Specimens From Shotcrete Test Panels | D 344 | Test Method for Relative Hiding Power of Paints by the Visual Evaluation of Brushouts |
| D 4 | Test Method for Bitumen Content | D 362 | (Canceled) Specification for Industrial Grade Toluene |
| D 5 | Test Method for Penetration of Bituminous Materials | D 364 | (Canceled) Specification for Industrial Grade Xylene (Replaced by D 846) |
| D 12 | Specification for Raw Tung Oil | D 412 | Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers - Tension |
| D 13 | Specification for Spirits of Turpentine | D 413 | Test Methods for Rubber Property - Adhesion to Flexible Substrate |
| D 16 | Terminology Relating to Paint, Varnish, Lacquer, and Related Products | D 429 | Test Methods for Rubber Property - Adhesion to Rigid Substrates |
| D 20 | Test Method for Distillation of Road Tars | D 445 | Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity) |
| D 36 | Test Method for Softening Point of Bitumen Ring-and-Ball Apparatus) | D 453 | Test Method for Tar Acids in Creosote-Coal Tar Solutions |
| D 41 | Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing | D 470 | Test Methods for Crosslinked Insulations and Jackets for Wire and Cable |
| D 56 | Test Method for Flash Point by Tag Closed Tester | D 476 | Specification for Titanium Dioxide Pigments |
| D 75 | Practice for Sampling Aggregates | D 478 | Specification for Zinc Yellow (Zinc Chromate) Pigments |
| D 79 | Specification for Zinc Oxide Pigments | D 479 | (Canceled) Test Method for Reactivity of Paint Liquid |
| D 83 | Specification for Red Lead Pigment | D 480 | Test Methods for Sampling and Testing of Flaked Aluminum Powders and Pastes |
| | | D 484 | (Canceled - Replaced by D 235) |
| | | D 520 | Specification for Zinc Dust Pigment |

- D 521 Test Methods for Chemical Analysis of Zinc Dust (Metallic Zinc Powder)
- D 522 Test Methods for Mandrel Bend Test of Attached Organic Coatings
- D 523 Test Method for Specular Gloss
- D 529 Test Method for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Carbon-Arc Method)
- D 561 Specification for Carbon Black Pigment for Paint
- D 562 Test Method for Consistency of Paints Using the Stormer Viscometer
- D 600 Specification for Liquid Paint Driers
- D 602 Specification for Barium Sulfate Pigments
- D 604 Specifications for Diatomaceous Silica Pigment
- D 605 Specification for Magnesium Silicate Pigment (Talc)
- D 607 Specification for Wet Ground Mica Pigments
- D 609 Practice for Preparation of Cold-Rolled Steel Panels for Testing Paint, Varnish, Conversion Coatings, and Related Coating Products
- D 610 Test Method for Evaluating Degree of Rusting on Painted Steel Surfaces
- D 658 Test Method for Abrasion Resistance of Organic Coatings by Air Blast Abrasive
- D 660 Test Method for Evaluating Degree of Checking of Exterior Paints
- D 661 Test Method for Evaluating Degree of Cracking of Exterior Paints
- D 714 Test Method for Evaluating Degree of Blistering of Paints
- D 715 Test Methods for Analysis of Barium Sulfate Pigment
- D 790 Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
- D 801 Methods for Sampling and Testing Dipentene
- D 822 Practice for Conducting Tests on Paint and Related Coatings and Materials Using Filtered Open Flame Carbon-Arc Light and Water Exposure Apparatus
- D 823 Practices for Producing Films of Uniform Thickness of Paint, Varnish, and Related Products on Test Panels
- D 843 Specification for Nitration Grade Xylene
- D 846 (Canceled) Specification for Ten-Degree Xylene
- D 870 Practice for Testing Water Resistance of Coatings Using Water Immersion
- D 962 Specification for Aluminum Powder and Paste Pigments for Paints
- D 968 Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive
- D 1005 Test Methods for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers
- D 1010 (Canceled - Replaced by D 2939)
- D 1014 Practice for Conducting Exterior Exposure Tests of Paints on Steel
- D 1125 Test Methods for Electrical Conductivity and Resistivity of Water
- D 1132 (Canceled) Test for Heptane Number of Hydrocarbon Solvents
- D 1146 Test Method for Blocking Point of Potentially Adhesive Layers
- D 1153 Specification for Methyl Isobutyl Ketone
- D 1186 Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base
- D 1200 Test Method for Viscosity by Ford Viscosity Cup
- D 1208 Test Methods for Common Properties of Certain Pigments
- D 1210 Test Method for Fineness of Dispersion of Pigment-Vehicle Systems
- D 1211 Test Method for Temperature-Change Resistance of Clear Nitrocellulose Lacquer Films Applied to Wood
- D 1212 Test Methods for Measurement of Wet Film Thickness of Organic Coatings
- D 1227 Specification for Emulsified Asphalt Used as a Protective Coating for Roofing
- D 1243 Test Method for Dilute Solution Viscosity of Vinyl Chloride Polymers
- D 1259 Test Methods for Nonvolatile Content of Resin Solutions
- D 1296 Test Method for Odor of Volatile Solvents and Diluents
- D 1306 Test Method for Phthalic Anhydride Content of Alkyd Resins and Esters Containing Other Dibasic Acids (Gravimetric)
- D 1308 Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes
- D 1310 Test Method for Flash Point and Fire Point of Liquids by Tag Open-Cup Apparatus
- D 1398 Test Method for Fatty Acid Content of Alkyd Resins and Alkyd Resin Solutions
- D 1400 Test Method for Nondestructive Measurement of Dry Film Thickness of Nonconductive Coatings Applied to a Nonferrous Metal Base
- D 1475 Test Method for Density of Paint, Varnish, Lacquer, and Related Products
- D 1535 Practice for Specifying Color by the Munsell System
- D 1542 Test Method for Qualitative Detection of Rosin in Varnishes
- D 1544 Test Method for Color of Transparent Liquids (Gardner Color Scale)
- D 1545 Test Method for Viscosity of Transparent Liquids by Bubble Time Method
- D 1639 Test Method for Acid Value of Organic Coating Materials
- D 1640 Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature
- D 1642 Test Methods for Elasticity or Toughness of Varnishes



Documents

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- D 1648 Specification for Basic Lead Silicochromate Pigment
- D 1652 Test Methods for Epoxy Content of Epoxy Resins
- D 1654 Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
- D 1729 Practice for Visual Evaluation of Color Differences of Opaque Materials
- D 1737 (Canceled) Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus
- D 1849 Test Method for Package Stability of Paint
- D 1856 Test Method for Recovery of Asphalt from Solution by Abson Method
- D 2196 Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield) Viscometer
- D 2200 Pictorial Surface Preparation Standards for Painting Steel Surfaces
- D 2240 Test Method for Rubber Property – Durometer Hardness
- D 2243 Test Method for Freeze-Thaw Resistance of Water-Borne Coatings
- D 2244 Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates
- D 2246 (Canceled) Test Method for Finishes on Primed Metallic Substrates for Humidity-Thermal Cycle Cracking
- D 2247 Practice for Testing Water Resistance of Coatings in 100% Relative Humidity
- D 2369 Test Method for Volatile Content of Coatings
- D 2370 Test Method for Tensile Properties of Organic Coatings
- D 2371 Test Method for Pigment Content of Solvent-Reducible Paints
- D 2372 Practice for Separation of Vehicle from Solvent-Reducible Paints
- D 2415 Test Method for Ash in Coal Tar and Pitch
- D 2448 Test Method for Water-Soluble Salts in Pigments by Measuring the Specific Resistance of the Leachate of the Pigment
- D 2471 Test Method for Gel Time and Peak Exothermic Temperature of Reacting Thermosetting Resins
- D 2486 Test Method for Scrub Resistance of Interior Latex Flat Wall Paints
- D 2556 Test Method for Apparent Viscosity of Adhesives Having Shear-Rate Dependent Flow Properties
- D 2574 Test Method for Resistance of Emulsion Paints in the Container to Attack by Microorganisms
- D 2583 Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor
- D 2621 Test Method for Infrared Identification of Vehicle Solids from Solvent-Reducible Paints
- D 2697 Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings
- D 2698 Test Method for the Determination of Pigment Content of Solvent-Reducible Paints by High Speed Centrifuging
- D 2794 Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
- D 2800 Test Method for Preparation of Methyl Esters from Oils for Determination of Fatty Acid Composition by Gas-Liquid Chromatography
- D 2801 (Canceled) Test Method for Leveling Characteristics of Paints by Draw-Down Method
- D 2805 Test Method for Hiding Power of Paints by Reflectometry
- D 2832 Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings
- D 2933 (Canceled) Test Method for Corrosion Resistance of Coated Steel Specimens (Cyclic Method)
- D 2939 Test Methods for Testing Emulsified Bitumens Used as Protective Coatings
- D 3273 Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
- D 3274 Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation
- D 3278 Test Methods for Flash Point of Liquids by Setaflash Closed-Cup Apparatus
- D 3335 Test Method for Low Concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy
- D 3359 Test Methods for Measuring Adhesion by Tape Test
- D 3363 Test Method for Film Hardness by Pencil Test
- D 3372 Test Method for Molybdenum in Water
- D 3450 Test Method for Washability Properties of Interior Architectural Coatings
- D 3486 (Canceled) Practices for Installation of Vulcanizable Rubber Tank Linings and Pipe Linings
- D 3630 Standard Guide for Determining Constituents Classified as Hazardous Contained in Protective Coatings
- D 3718 Standard Test Method for Low Concentrations of Chromium in Paint by Atomic Absorption Spectroscopy
- D 3719 Test Method for Quantifying Dirt Collection on Coated Exterior Panels
- D 3721 Specification for Synthetic Red Iron Oxide Pigment
- D 3722 Specification for Natural Red and Brown Iron Oxide Pigments
- D 3723 Test Method for Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing
- D 3724 Specification for Synthetic Brown Iron Oxide Pigment
- D 3728 Specification for 2-Ethoxyethyl Acetate (99% Grade)
- D 3734 Specification for High-Flash Aromatic Naphthas
- D 3792 Test Method for Water Content of Water-Reducible Paints by Direct Injection into a Gas Chromatograph

