



ASTM International Technical Committee D01 on Paint and Related Coatings, Materials, and Applications

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Committee D01 Webpage:

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Established: 1902

Number of Members: 600+

Number of Standards: 620+

Global Participation: 39 Countries represented

The standards are available in: Volumes 06.01, 06.02, 06.03 and 06.04 in the *Annual Book of ASTM Standards*

Meetings: D01 meets twice each year, in January and June

SCOPE:

The scope of the Committee shall be the development of test methods, definitions, practices, specifications, classifications, guides, and related knowledge for:

- paint, varnish, lacquer, printing ink and other related coatings and materials in liquid, liquefiable, powder, or mastic form,
- components thereof,
- preparation of surfaces to which such coatings are applied
- coating-substrate systems, and
- paint application tools.

ACTIVITIES, PRODUCTS, SERVICES AND REGULATION:

The technical subcommittees of D01 encompass five primary areas:

- Testing and analysis,
- Paint and related coating materials (components),
- On-site applied paint and related coatings,
- Factory applied paint and related coatings, and
- Paint application.

The area of testing and analysis addresses standards for all aspects of evaluating materials, including physical testing, chemical analysis, accelerated testing and biodeterioration.

The paint and related coating materials area (components) focuses on pigments, solvents, hydrocarbon resins, and ink vehicles. Standards in the on-site applied paint and related coatings area include: architectural, traffic, marine, and industrial coatings. The area of factory applied paint and related coatings comprises powder coatings, coil coated metal, printing inks, and artists paints. Standards for paint application include paintbrushes, rollers, and evaluation of their effectiveness.

In the United States, the U.S. Environmental Protection Agency regulates volatile organic compounds. Numerous D01 standards are referenced in regulations as acceptable test methods that may be required for regulatory compliance.





KEY DOCUMENTS:

- D1654 Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
- D2369 Standard Test Method for Volatile Content of Coatings
- D3359 Standard Test Methods for Measuring Adhesion by Tape Test
- D3363 Standard Test Method for Film Hardness by Pencil Test
- D4060 Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser

LIST OF D01 SUBCOMMITTEES

- D01.06 International Coordination and US TAG to ISO/TC 35/SC9/SC10
- D01.08 Environmental Concerns
- D01.15 Lectures and Symposia
- D01.16 Terminology
- D01.20 Quality Assurance and Statistics
- D01.21 Chemical Analysis of Paints and Paint Materials
- D01.23 Physical Properties of Applied Paint Films
- D01.24 Physical Properties of Liquid Paints & Paint Materials
- D01.25 Evaluation of Weathering Effects
- D01.26 Optical Properties
- D01.27 Accelerated Testing
- D01.28 Biodeterioration
- D01.31 Pigment Specifications
- D01.33 Polymers and Resins
- D01.34 Pine Chemicals and Hydrocarbon Resins
- D01.35 Solvents, Plasticizers, and Chemical Intermediates
- D01.36 Cellulose and Cellulose Derivatives
- D01.37 Ink Vehicles
- D01.42 Architectural Coatings
- D01.44 Traffic Coatings
- D01.45 Marine Coatings
- D01.46 Industrial Protective Coatings
- D01.47 Concrete, Stone and Masonry Treatments
- D01.48 Durability of Pipeline Coating and Linings
- D01.51 Powder Coatings
- D01.52 Factory Coated Wood Products
- D01.53 Coil Coated Metal
- D01.55 Factory Applied Coatings on Preformed Products
- D01.56 Printing Inks
- D01.57 Artists' Materials
- D01.61 Paint Application Tools
- D01.90 Executive
- D01.91 Bylaws and Scopes
- D01.93 Meetings and Sites
- D01.94 Awards and Memorials
- D01.95 Promotion
- D01.96 Research and Planning

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