



Standard Guide for Specifying Factory Applied Wood Coatings¹

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1. Scope

1.1 This practice summarizes the test methods that may be used to assist in quality control during application and in specifying pigmented coatings that shall be used in factory finishing of wood products.

1.2 This practice is not intended for use by the consumer of coated wood products in specifying such coated wood products.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

- D 154 Guide for Testing Varnishes²
- D 523 Test Method for Specular Gloss³
- D 562 Test Method for Consistency of Paints Using the Stormer Viscometer³
- D 869 Test Method for Evaluating Degree of Settling of Paint⁴
- D 968 Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive³
- D 1005 Test Methods for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers³
- D 1186 Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base³
- D 1200 Test Method for Viscosity by Ford Viscosity Cup³
- D 1210 Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage³
- D 1212 Test Methods for Measurement of Wet Film Thickness of Organic Coatings³
- D 1308 Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes⁴
- D 1310 Test Method for Flash Point and Fire Point of Liquids by Tag Open-Cup Apparatus³

D 1400 Test Method for Nondestructive Measurement of Dry Film Thickness of Nonconductive Coatings Applied to a Nonferrous Metal Base³

D 1474 Test Methods for Indentation Hardness of Organic Coatings³

D 1475 Test Method for Density of Paint, Varnish, Lacquer, and Related Products³

D 1644 Test Methods for Nonvolatile Content of Varnishes³

D 1729 Practice for Visual Evaluation of Color Differences of Opaque Materials³

D 2065 Test Method for Determination of Edge Performance of Composite Wood Products Under Surfactant Accelerated Moisture Stress⁴

D 2134 Test Method for Determining the Hardness of Organic Coatings with a Sward-Type Hardness Rocker³

D 2196 Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield) Viscometer³

D 2197 Test Methods for Adhesion of Organic Coatings by Scrape Adhesion³

D 2244 Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates³

D 2793 Test Method for Block Resistance of Organic Coatings on Wood Panel Substrates⁴

D 2794 Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)³

D 2801 Test Method for Leveling Characteristics of Paints by Draw-Down Method⁵

D 2805 Test Method for Hiding Power of Paints by Reflectometry³

D 2830 Test Method for Exterior Durability of Factory-Primed Field Finished Wood Products⁴

D 3023 Practice for Determination of Resistance of Factory-Applied Coatings on Wood Products to Stains and Reagents⁴

D 3259 Practice for Infrared Determination of the Temperature of Applied Coatings on Wood Products During the Curing Cycle⁴

D 3278 Test Methods for Flash Point of Liquids by Seta-Flash Closed-Cup Apparatus³

D 3359 Test Methods for Measuring Adhesion by Tape Test³

D 3363 Test Methods for Film Hardness by Pencil Test³

¹ This practice is under the jurisdiction of ASTM Committee D-1 on Paint and Related Coatings and is the direct responsibility of Subcommittee D01.52 on Factory-Coated Wood Products.

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² Annual Book of ASTM Standards, Vol 06.03.

³ Annual Book of ASTM Standards, Vol 06.01.

⁴ Annual Book of ASTM Standards, Vol 06.02.

⁵ Discontinued; see 1989 Annual Book of ASTM Standards, Vol 06.01.