



## Standard Guide for Developing a Training Program for Coating Work Inspectors in Nuclear Facilities<sup>1</sup>

This standard is issued under the fixed designation D 5498; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This guide is intended to assist those responsible for developing a program for the indoctrination and training of inspection personnel for coating work in nuclear facilities.

1.2 It is recognized that organizations and job responsibilities vary widely among utilities and also among various support and service companies. Portions of the program may not be applicable in all cases. Therefore, it is the responsibility of each company to identify the appropriate subject matter for its organization and its site specific needs.

1.3 Users of this guide must ensure that coatings work complies not only with this guide, but also with the licensee's plant-specific quality assurance program and licensing commitments.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

- D 16 Terminology for Paint, Related Coatings, Materials, and Applications<sup>2</sup>
- D 1005 Test Methods for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers<sup>2</sup>
- D 1186 Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base<sup>2</sup>
- D 1400 Test Method for Nondestructive Measurement of Dry Film Thickness of Nonconductive Coatings Applied to a Nonferrous Metal Base<sup>2</sup>
- D 2092 Guide for Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting<sup>3</sup>
- D 2240 Test Method for Rubber Property—Durometer Hardness<sup>4</sup>
- D 2583 Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor<sup>5</sup>
- D 3276 Guide for Painting Inspectors (Metal Substrates)<sup>3</sup>

- D 3359 Test Method for Measuring Adhesion by Tape Test<sup>2</sup>
- D 3363 Test Method for Film Hardness by Pencil Test<sup>2</sup>
- D 3925 Practice for Sampling Liquid Paints and Related Pigment Coatings<sup>2</sup>
- D 4138 Method for Measurement of Dry Film Thickness of Protective Coating Systems by Destructive Means<sup>3</sup>
- D 4212 Test Method for Viscosity by Dip-Type Viscosity Cups<sup>2</sup>
- D 4214 Test Method for Evaluating Degree of Chalking of Exterior Paint Films<sup>2</sup>
- D 4258 Practice for Surface Cleaning Concrete for Coating<sup>3</sup>
- D 4259 Practice for Abrading Concrete<sup>3</sup>
- D 4260 Practice for Acid Etching Concrete<sup>3</sup>
- D 4261 Practice for Surface Cleaning Concrete Unit Masonry for Coating<sup>3</sup>
- D 4262 Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces<sup>3</sup>
- D 4263 Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method<sup>3</sup>
- D 4285 Test Method for Indicating Oil or Water in Compressed Air<sup>3</sup>
- D 4414 Practice for Measurement of Wet Film Thickness by Notched Gages<sup>2</sup>
- D 4417 Test Method for Field Measurement of Surface Profile of Blast Cleaned Steel<sup>3</sup>
- D 4537 Guide for Establishing Procedures to Qualify and Certify Inspection Personnel for Coating Work in Nuclear Facilities<sup>3</sup>
- D 4538 Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities<sup>3</sup>
- D 4541 Test Method for Pull-Off Strength of Coatings Using Portable Adhesion-Testers<sup>3</sup>
- D 4610 Guide for Determining the Presence of and Removing Microbial (Fungal or Algal) Growth on Paint and Related Coatings<sup>2</sup>
- D 4752 Test Method for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub<sup>3</sup>
- D 4787 Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates<sup>3</sup>
- D 4940 Test Method for Conductimetric Analysis of Water Soluble Ionic Contamination of Blasting Abrasives<sup>3</sup>

<sup>1</sup> This guide is under the jurisdiction of ASTM Committee D33 on Protective Coating and Lining Work for Power Generation Facilities and is the direct responsibility of Subcommittee D33.04 on Quality Systems and Inspection.

Current edition approved June 10, 2001. Published August 2001. Originally published as D 5498 – 94. Last previous edition D 5498 – 94 (1999).

<sup>2</sup> Annual Book of ASTM Standards, Vol 06.01.

<sup>3</sup> Annual Book of ASTM Standards, Vol 06.02.

<sup>4</sup> Annual Book of ASTM Standards, Vol 09.01.

<sup>5</sup> Annual Book of ASTM Standards, Vol 08.02.