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Standard Guide for Painting Inspectors (Concrete and Masonry Substrates)¹

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1. Scope

1.1 This guide is intended as an information aid to painting inspectors in carrying out the task efficiently. It includes the key elements of surface preparation, coatings application, and final approval for both field and shop work. The items should be selected that are pertinent to a specific project.

NOTE 1—For additional helpful information, refer to the following documents:

*Manual of Concrete Practice ACI 515R American Concrete Institute*²
*Manual of Coating Work for Light Water Nuclear Power Plant Primary Containment and Other Safety Related Facilities*³

C811 Practice for Surface Preparation of Concrete for Application of Chemical-Resistant Resin Monolithic Surfacing⁴

Steel Structures Painting Manual Vol. 1 - Good Painting Practices⁵
Steel Structures Painting Manual Vol. 2 - Systems and Specifications⁵
Manufacturers Specifications and Instructions (made available to the inspector for reference to special requirements for proper application)

Safety Data Sheets (needed to ensure that personnel take necessary precautions in handling hazardous materials). Available from Materials manufacturer.

1.2 Certain industries or owners may require certified inspection personnel. See Guide **D4537** for establishing procedures to certify inspectors for coating work in nuclear facilities. SSPC offers a training and certification program for concrete coating inspection.⁵

1.3 In certain cases the inspector may be required to assess the condition of the concrete substrate. SSPC has published an illustrated guide for performing a concrete condition assessment.⁵

1.4 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

¹ This guide is under the jurisdiction of ASTM Committee **D01** on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee **D01.46** on Industrial Protective Coatings.

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² Available from American Concrete Institute (ACI), P.O. Box 9094, Farmington Hills, MI 48333-9094, <http://www.concrete.org>.

³ ASTM, 1979.

⁴ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁵ Available from SSPC: The Society for Protective Coatings, 800 Trumbull Avenue, Pittsburgh, PA 15205, <http://www.sspc.org>.

1.5 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.6 This guide is arranged in the following order:

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