



Designation: ~~D7055-04~~ Designation: D7055 - 09

Standard Practice for Preparation (by Abrasive Blast Cleaning) of Hot-Rolled Carbon Steel Panels for Testing of Coatings¹

This standard is issued under the fixed designation D7055; 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 practice covers the procedures to be followed in the preparation (by abrasive blast cleaning) of hot rolled steel panels for laboratory testing of coatings.

1.2 This standard practice does not include procedures for the application of coatings.

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

1.4 *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:²

A36/A36M [Specification for Carbon Structural Steel](#)

A572/A572M [Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel](#)

D4285 [Test Method for Indicating Oil or Water in Compressed Air](#)

D4417 ~~[Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel](#)~~ [Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel](#)

D7393 [Practice for Indicating Oil in Abrasives](#)

2.2 ISO Standard:

ISO 8502-3, Part 3 [Assessment of Dust on Steel Surfaces Prepared for Painting \(pressure-sensitive tape method\)](#)³

2.3 SSPC/NACE Standards:⁴

AB-1 Mineral and Slag Abrasives

AB-2 Specification for Cleanliness of Recycled Ferrous Metallic Abrasives

AB-3 Newly Manufactured or Re-Manufactured Steel Abrasives

SP1 Solvent Cleaning

SP5/NACE No. 1 White Metal Blast Cleaning

SP10/NACE No. 2 Near-White Metal Blast Cleaning

SSPC-VIS 1 Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning

3. Summary of Practice

3.1 This practice enables the user to specify the level of preparation of hot-rolled carbon steel test panels (prepared by dry abrasive blast cleaning) for testing of coatings, including the steel composition, the degree of surface cleanliness, and the type of abrasive.

4. Significance and Use

4.1 The procedures described in this practice are designed to provide hot-rolled, carbon steel panels with uniform and

¹ This practice 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 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.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

⁴ Available from SSPC: The Society for Protective Coatings 40 24th Street, 6th Floor, Pittsburgh PA 15222-4656.

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