



~~Designation: D 609-00~~ **Designation: D609 – 00 (Reapproved 2006)**

## Standard Practice for Preparation of Cold-Rolled Steel Panels for Testing Paint, Varnish, Conversion Coatings, and Related Coating Products<sup>1</sup>

This standard is issued under the fixed designation D609; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the Department of Defense.*

### 1. Scope

1.1 This practice covers various types of cold rolled steel panels and the procedures to be followed in their preparation for testing paint, varnish, lacquer, conversion coatings, and related products.

1.2 The procedures are as follows:

*Procedure A*—Conversion coatings (phosphates, chromates, etc.)

*Procedure B*—Vapor degreasing

*Procedure C*—Solvent brushing

*Procedure D*—Solvent wiping

*Procedure E*—Alkaline cleaning

1.3 The values stated in SI units of measurement 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 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:*<sup>2</sup>

A109 ~~Specification for Steel, Strip, Carbon, Cold-Rolled~~ 109/A109M [Specification for Steel, Strip, Carbon \(0.25 Maximum Percent\), Cold-Rolled](#)

A366/A366M [Specification for Commercial Steel \(CS\), Sheet, Carbon \(0.15 Maximum Percent\), Cold-Rolled](#),<sup>2</sup> ~~Specification for Commercial Steel (CS), Sheet, Carbon (0.15 Maximum Percent), Cold-Rolled~~<sup>3</sup>

D235 [Specification for Mineral Spirits \(Petroleum Spirits\) \(Hydrocarbon Drycleaning Solvents\)](#) ~~Dry Cleaning Solvent~~

### 3. Summary of Practice

3.1 Several procedures for preparation and cleaning of steel test panels are described as shown in Table 1.

### 4. Significance and Use

4.1 The procedures described in this practice are designed to provide steel panels with a uniform and reproducible surface for testing of paint, varnish, lacquer, conversion coatings, and related products.

### 5. Test Panels

5.1 Prepare the test panels from rust and stain-free cold-rolled steel as described in 5.2, ~~5.3~~, 5.3, 5.4, and Table 1. The panels

<sup>1</sup> ~~This practice is under the jurisdiction of ASTM Committee D-1 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.27 on Accelerated Testing.~~

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards*, Vol 01.03, volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Withdrawn. The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).