



Designation: ~~D5068-02~~ Designation: D 5068 – 04 (Reapproved 2009)

Standard Practice for Preparation of Paint Brushes for Evaluation¹

This standard is issued under the fixed designation D 5068; 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 describes the preparation of paint brushes for evaluation.

~~1.2 This practice is applicable to paint brushes 2 to 4 in. (50 to 100 mm) in width.~~

~~1.3~~

1.2 This practice is applicable to paint brushes 50 to 100 mm (2 to 4 in.) in width.

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 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

D 3924 [Specification for Standard Environment for Conditioning and Testing Paint, Varnish, ~~Laequers,~~Lacquer, and Related Materials](#)

D 5301 [Practice for Physical Characterization of Paint Brushes](#)

3. Summary of Practice

3.1 Using a paint chosen for the evaluation, the brush to be tested is repeatedly loaded with this paint and brushed over a specified area in a specified application time.

4. Significance and Use

4.1 Until the paint brush is fully conditioned and wetted with paint, only part of the paint loaded onto the brush can be transferred to the surface being painted. By properly preparing the brush before use, the amount of paint delivered to the surface can be made more uniform and reflect real use.

5. Apparatus

5.1 *Container*, to hold paint, for example, a quart can.

5.2 *Test Brush*, ~~2 to 4 in. (50 to 100 mm) in width.~~, 50 to 100 mm (2 to 4 in.) in width.

5.3 *Balance*, to weigh brush to the nearest 0.1 gram.

6. Materials

6.1 *Test Paint*.

6.2 *Brush-Out Panels*, or other typical panels to be used.³

6.3 *Masking Tape*, to secure the panel to a flat surface.

7. Procedure

7.1 All tests are to be conducted in an atmosphere having a temperature of $23 \pm 2^\circ\text{C}$ ($73.5 \pm 3.5^\circ\text{F}$) and a relative humidity of $50 \pm 5\%$ (see Specification D 3924).

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 D01.61 on Paint Application Tools.

Current edition approved Feb. 10, 2002. Published April 2002. Originally published as D5068-90. Last previous edition D5068-92(1997).

Current edition approved June 1, 2009. Published June 2009. Originally approved in 1990. Last previous edition approved in 2004 as D 5068 – 04.

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*, Vol 06.01, volume information, refer to the standard's Document Summary page on the ASTM website.

³ Annual Book of ASTM Standards, Vol 06.02.

³ Any smooth type panel can be used. A Leneta 8H-BW Chart, available from The Leneta Co., 15 Whitney Road, Mahaw, N.J. 07430 has been used in round robin testing for this purpose.