



## Designation: D7802 – 12 (Reapproved 2024)

# Standard Terminology for Paint Roller Application Tools<sup>1</sup>

This standard is issued under the fixed designation D7802; 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.

## 1. Scope

1.1 This standard establishes the definitions or terminology used in the manufacturing and testing of paint rollers.

1.2 *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.*

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

## 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

D5069 [Practice for Preparation of Paint-Roller Covers for Evaluation of Architectural Coatings](#)

D6337 [Practice for Physical Characterization of Woven Paint Applicator Fabrics](#)

<sup>1</sup> This terminology 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.

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

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[D7073 Guide for Application and Evaluation of Brush and Roller Applied Paint Films](#)

## 3. Terminology

3.1 *Definitions:*

**fabric**, *n*—*for paint applicators*, a paint carrying medium made by knitting or weaving; fabrics may consist of synthetic or natural materials, or a combination of both.

**formulation**, *n*—a specification that gives ingredients and amounts, or process.

**matting**, *n*—*for fabric fibers*, a condition where they tend to lie flat during application.

**nap**, *n*—*for fabric fibers*, the length of fibers essentially perpendicular to the surface.

**pick-up**, *n*—*for paint applicators*, after break-in, the amount of paint, or other coating material, an applicator can hold.

**release**, *n*—*for paint applicators*, after break-in, the amount of paint, or other coating materials, that the applicator can dispense after pick up.

**sliver knitting**, *n*—a process for producing an array of fibers locked essentially perpendicular to a knit backing.

**wet edge time**, *n*—the length of time a wet, coated region can stand before showing lap marks when an overlapped region is coated; this is also known as wet edge retention.

## 4. Keywords

4.1 definitions; fabric; terminology