Designation: ~~D5053 – 03 (Reapproved 2009)~~ D5053 – 03 (Reapproved 2015)

Standard Test Method for Colorfastness of Crocking of Leather[1]

This standard is issued under the fixed designation D5053; 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.

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

1. Scope

1.1 This test method covers the determination of the degree of color that may be transferred from leather to other surfaces by rubbing under wet (damp) or dry conditions, or both. This test method does not apply to wet blue.

1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 *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]
D1517 Terminology Relating to Leather
D1610 Practice for Conditioning Leather and Leather Products for Testing
D2813 Practice for Sampling Leather for Physical and Chemical Tests
2.2 *AATCC Methods:*
AATCC Method 8 Colorfastness to Crocking:
AATCC Crockmeter Method [3]
AATCC Chromatic Transference Scale or Gray Scale for Staining[3]

3. Terminology

3.1 *Definitions*—For definitions of colorfastness and crocking, refer to AATCC Method 8. For other specific leather terminology, see Terminology D1517.

4. Summary of Test Method

4.1 A specimen of the leather sample fastened to the base of a crockmeter is rubbed with white crock test cloth under controlled conditions. Color transferred to the white cloth is assessed by a comparison with the AATCC chromatic transference scale; an alternative is to use the gray scale for staining as suggested in AATCC Method 8.

5. Significance and Use

5.1 This test method is intended for use on any type of leather.

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[1] This test method is under the jurisdiction of ASTM Committee D31 on Leather and is the direct responsibility of Subcommittee D31.04 on Apparel
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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] Technical Manual of the American Association of Textile Chemist and Colorist, P.O. Box 12215, Research Triangle Park, NC 27709-2215.