



Standard Test Method for Assessing Carpet Cleaning Effectiveness in Terms of Visual Appearance Change When Cleaned with a Wet Extraction Cleaning System¹

This standard is issued under the fixed designation F2828; 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 test method provides only a laboratory test for visually determining the relative carpet cleaning effectiveness of a wet extraction cleaning system when tested under standard conditions.

1.2 This test method is applicable to types of upright, canister, and combination wet extraction cleaners and their recommended chemical cleaning formulas intended for cleaning carpets as a primary or secondary function. This test method excludes pre-spray systems or pre-spray treatments.

1.3 This test method is not applicable to upholstery cleaning or bare floor cleaning.

1.4 This test method applies only to the cleaning of embedded soil from carpet, not the removal of surface litter and debris.

1.5 This method does not directly quantify the amount of soil removed but is visually assessed by employing colorimetric instrumentation.

1.6 *Units*—The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.7 *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.*

¹ This test method is under the jurisdiction of ASTM Committee F11 on Vacuum Cleaners and is the direct responsibility of Subcommittee F11.35 on Extractor Cleaners.

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2. Referenced Documents

2.1 ASTM Standards:²

D6540 Test Method for Accelerated Soiling of Pile Yarn Floor Covering

E177 Practice for Use of the Terms Precision and Bias in ASTM Test Methods

E691 Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method

F608 Test Method for Evaluation of Carpet Embedded Dirt Removal Effectiveness of Household/Commercial Vacuum Cleaners

F655 Specification for Test Carpets and Pads for Vacuum Cleaner Testing

3. Terminology

3.1 Definitions:

3.1.1 *cleaning effectiveness, wet, n*—the potential of a wet extractor cleaner to restore the appearance of a soiled carpet.

3.1.2 *cleaning system, n*—wet extraction appliance coupled with its included or recommended chemical cleaning formula.

3.1.3 *model, n*—the designation of a group of wet extraction cleaners having identical mechanical and electrical construction with only cosmetic or nonfunctional differences.

3.1.4 *population, n*—the total of all units of a particular model wet extraction cleaner being tested.

3.1.5 *sample, n*—a group of extraction cleaners taken from a large collection of extraction cleaners of one particular model which serves to provide information that may be used as a basis for making a decision concerning the larger collection.

3.1.6 *test run, n*—the definitive procedure that produces a singular measured result.

3.1.7 *unit, n*—a single wet extraction cleaner of the model being tested.

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.