

NFSI B101.3-2020

National Floor Safety Institute B101.3 Test Method for Measuring the Wet DCOF of Hard Surface Walkways



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Suggestions for improvement of this standard should be sent to the Accredited Standards Developer: National Floor Safety Institute, P.O. Box 92607, Southlake, TX 76092.

This standard was processed and approved for submittal by the NFSI B101 Main Standards Committee on Safety Requirements for Slip, Trip and Fall Prevention. Approval of the standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard procedure, the B101 Main Standards Committee had the following members:

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In Memory of Mahala Ann Cullum

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Test Method for Measuring the Wet DCOF of Hard-Surface Walkways

Section 1: Scope/Purpose/Application/Exception

1.1 Scope

This test method specifies the procedures and devices used for both laboratory and field-testing to measure the wet dynamic coefficient of friction (DCOF) of hard-surface walkways.

1.2 Purpose

This test method provides a measurement procedure setting forth DCOF ranges which facilitate remediation of walkway surfaces when warranted.

1.3 Application

This test method does not apply to carpeting of any type, however, does address the common hard-surfaced walkway materials such as ceramic and porcelain tile, polished and un-polished concrete, stone, vinyl, wood and synthetic laminates, and such materials with coatings or polishes applied.

Note: This test method does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. No express or implied representation or warranty is made regarding the accuracy or significance of any test results in terms of slip resistance.

1.4 Exceptions

This test method is not recommended for dry surface testing and does not propose to be an accurate measurement method for determining dry surface slip resistance. DRY SURFACE TEST DATA SHOULD NOT BE COMPARED TO WET SURFACE TEST DATA. No inferences should be implied or concluded regarding dry vs. wet DCOF test results or data.

Section 2: Reference to other Standards and Publications

The specification for the SBR sensor material called for in this standard is covered by the following DIN Standards: DIN EN 1392, DIN EN ISO 1183-1, 53504, DIN ISO 7619-1, DIN ISO 34-1, and DIN ISO 4649. See Appendix B for the related values.

Inter-Laboratory Study (ILS) for Tribometers Designed to Measure the Wet Dynamic Coefficient of Friction (DCOF) of Common Hard Surface Walkways (See Appendix D).