

NFSI Tribometer Selection Process (TSP)

January 2019

An NFSI “Approved Tribometer” is one that is in compliance with the following criteria:

1. Demonstrates laboratory accuracy of the device through submission of one or both of the following Interlaboratory Studies:
 - a. “Standard Method for Conducting an Interlaboratory Study (ILS) to Establish Repeatability and Reproducibility of a Walkway Tribometer Measuring Wet Dynamic Coefficient of Friction (DCOF) for a Common Hard-Surface Walkways
 - b. “Standard Method for Conducting an Interlaboratory Study (ILS) to Establish Repeatability and Reproducibility of a Walkway Tribometer Measuring Wet Static Coefficient of Friction (SCOF) for a Common Hard-Surface Walkways
2. Demonstrates in-field accuracy through a verification process utilizing the NFSI Certified reference surfaces.
3. The tribometer shall be capable of being calibrated, repaired, maintained, revision controlled and any other services necessary to ensure the device reliability.
4. The device shall be capable of measuring either Static Coefficient of Friction (SCOF) or Dynamic Coefficient of Friction (DCOF) to the hundredths (2 decimal places) using a scale of 0.00 to 1.00.
5. COF measurements shall be displayed via a digital display to eliminate user error.