ASTM F2508 Validation Report

Operator	P. Widas		
Test Address	321-C Johnstown Rd, Chesapeake, VA 23322		
Company	Excel Tribometers, LLC		
Contact Info	pwidas@exceltribometers.com, 757-897-2853		
Source of Ref Surfaces	ASTM 2/1/2011 Sticker		
Date Acquired	Excel Tribometers Set 5 - 6/24/21		
Validation Test Date	7/14/2025		
Validation Temperature	73.8°F		
Validation Humidity	50%		
Walkway Tribometer Supplier	Excel Tribometers, LLC	**Performed For:**	
Walkway Tribometer Model	English XL VIT Seq	XXXXX	
Walkway Tribometer Serial Number	XXXXX84	Sander SN	XX14
Test Foot Number	10407		
Test Foot Material	Neolite		
Test Foot Age (Smithers Manufacture)	3/19/2025		
Test Foot Age (Mounted)	7/3/2025		
Test Foot Preparation Procedure	Calibrate standard XL VIT test foot per the XL User Guide		
Test Foot Dimensions (Diameter, in)	1.25		
Operating Instructions Version	v4 3/21/16		

Highlighted cells follow test foot sanding

Tile SN	cal N	0.26	cal N	0.24	cal N	0.26	cal N	0.25
0.23± 0.03	E	0.24	E	0.25	E	0.24	E	0.24
	S	0.20	S	0.21	S	0.22	S	0.22
	W	0.22	W	0.21	W	0.22	W	0.21
Measurement	**Direction**	**RS-A**	**diff A-B**	**RS-B**	**diff B-C**	**RS-C**	**diff C-D**	**RS-D**
1	N	0.18	-0.06	0.24	-0.05	0.29	-0.35	0.64
2	E	0.17	-0.05	0.22	-0.09	0.31	-0.33	0.64
3	S	0.17	-0.07	0.24	-0.03	0.27	-0.32	0.59
4	W	0.17	-0.04	0.21	-0.08	0.29	-0.31	0.60
5	N	0.16	-0.05	0.21	-0.08	0.29	-0.31	0.60
6	E	0.16	-0.06	0.22	-0.06	0.28	-0.34	0.62
7	S	0.16	-0.07	0.23	-0.08	0.31	-0.28	0.59
8	W	0.16	-0.06	0.22	-0.08	0.30	-0.28	0.58
9	N	0.16	-0.09	0.25	-0.04	0.29	-0.34	0.63
10	E	0.16	-0.07	0.23	-0.07	0.30	-0.33	0.63
11	S	0.16	-0.08	0.24	-0.04	0.28	-0.33	0.61
12	W	0.16	-0.05	0.21	-0.07	0.28	-0.31	0.59
13	N	0.15	-0.08	0.23	-0.05	0.28	-0.33	0.61
14	E	0.16	-0.06	0.22	-0.06	0.28	-0.34	0.62
15	S	0.16	-0.05	0.21	-0.07	0.28	-0.33	0.61
16	W	0.15	-0.06	0.21	-0.06	0.27	-0.32	0.59
17	N	0.15	-0.09	0.24	-0.05	0.29	-0.33	0.62
18	E	0.16	-0.07	0.23	-0.08	0.31	-0.32	0.63
19	S	0.16	-0.06	0.22	-0.08	0.30	-0.31	0.61
20	W	0.15	-0.07	0.22	-0.07	0.29	-0.30	0.59
21	N	0.16	-0.07	0.23	-0.04	0.27	-0.32	0.59
22	E	0.15	-0.07	0.22	-0.07	0.29	-0.30	0.59
23	S	0.16	-0.05	0.21	-0.06	0.27	-0.33	0.60
24	W	0.15	-0.07	0.22	-0.04	0.26	-0.32	0.58
		RS-A	**diff A-B**	**RS-B**	**diff B-C**		**diff C-D**	**RS-D**
	Mean	0.160	-0.065	0.224	-0.063	0.287	-0.320	0.607
	Standard Deviation	0.008	0.013	0.012	0.017	0.014	0.018	0.019
	Standard Error	0.002		0.002		0.003		0.004
	95th Confidence Lower	0.157		0.219		0.281		0.599
	95th Confidence Higher	0.163		0.229		0.292		0.614
	Rank	1		2		3		4
		Paired t test	24.628		18.284		88.604	

Rank Order Complies with ASTM F2508-16 Validation Requirements
Differentiation Complies with ASTM F2508-16 Validation Requirements
This Validation was performed in accordance with ASTM F2508-16