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	6/26/2025	6/27/2025	
Validation Temperature	76.1°F	76.1°F	
Validation Humidity	48%	50%	
Walkway Tribometer Supplier	Excel Tribometers, LLC		**Performed For:**
Walkway Tribometer Model	English XL VIT	Seq	XXXXX
Walkway Tribometer Serial Number	XXXXX82		Sander SN XX21
Test Foot Number	10314		
Test Foot Material	Neolite		
Test Foot Age (Smithers Manufacture)	3/19/2025		
Test Foot Age (Mounted)	5/22/2025		
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	0.25	cal N	0.24	cal N	0.24	cal N	0.25
0.23± 0.03	E	0.25	E	0.22	E	0.24	E	0.24
	S	0.23	S	0.23	S	0.23	S	0.23
	W	0.23	W	0.23	W	0.23	W	0.23
Measurement	**Direction**	**RS-A**	**diff A-B**	**RS-B**	**diff B-C**	**RS-C**	**diff C-D**	**RS-D**
1	N	0.19	-0.05	0.24	-0.06	0.30	-0.33	0.63
2	E	0.19	-0.03	0.22	-0.05	0.27	-0.33	0.60
3	S	0.18	-0.03	0.21	-0.05	0.26	-0.37	0.63
4	W	0.17	-0.05	0.22	-0.04	0.26	-0.33	0.59
5	N	0.16	-0.06	0.22	-0.05	0.27	-0.34	0.61
6	E	0.16	-0.05	0.21	-0.07	0.28	-0.31	0.59
7	S	0.17	-0.03	0.20	-0.06	0.26	-0.35	0.61
8	W	0.16	-0.06	0.22	-0.05	0.27	-0.31	0.58
9	N	0.16	-0.09	0.25	-0.02	0.27	-0.36	0.63
10	E	0.16	-0.08	0.24	-0.05	0.29	-0.31	0.60
11	S	0.16	-0.06	0.22	-0.05	0.27	-0.32	0.59
12	W	0.17	-0.05	0.22	-0.04	0.26	-0.33	0.59
13	N	0.17	-0.07	0.24	-0.03	0.27	-0.31	0.58
14	E	0.16	-0.07	0.23	-0.07	0.30	-0.31	0.61
15	S	0.17	-0.05	0.22	-0.04	0.26	-0.34	0.60
16	W	0.15	-0.06	0.21	-0.06	0.27	-0.31	0.58
17	N	0.16	-0.09	0.25	-0.05	0.30	-0.31	0.61
18	E	0.15	-0.09	0.24	-0.05	0.29	-0.30	0.59
19	S	0.17	-0.04	0.21	-0.06	0.27	-0.35	0.62
20	W	0.16	-0.07	0.23	-0.06	0.29	-0.29	0.58
21	N	0.15	-0.08	0.23	-0.06	0.29	-0.30	0.59
22	E	0.15	-0.07	0.22	-0.05	0.27	-0.33	0.60
23	S	0.17	-0.05	0.22	-0.05	0.27	-0.35	0.62
24	W	0.15	-0.05	0.20	-0.07	0.27	-0.30	0.57
		RS-A	**diff A-B**	**RS-B**	**diff B-C**		**diff C-D**	**RS-D**
	Mean	0.164	-0.060	0.224	-0.052	0.275	-0.325	0.600
	Standard Deviation	0.011	0.018	0.014	0.012	0.014	0.021	0.017
	Standard Error	0.002		0.003		0.003		0.004
	95th Confidence Lower	0.160		0.218		0.270		0.593
	95th Confidence Higher	0.169		0.229		0.281		0.607
	Rank	1		2		3		4
		Paired t test	15.958		21.025		74.794	

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