

**ASTM F2508 Validation Report**

**Operator** Peter 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 4 - 7/18/16  
**Validation Test Date** 7/12/2018  
**Validation Temperature** 76°F  
**Validation Humidity** 49%  
**Walkway Tribometer Supplier** Excel Tribometers, LLC  
**Walkway Tribometer Model** English XL VIT Sequencer  
**Walkway Tribometer Serial Number** xxxxx85  
**Test Foot Number** 5401  
**Test Foot Material** Neolite  
**Test Foot Age (Smithers Manufacture)** 6/27/2018  
**Test Foot Age (Mounted)** 7/9/2018  
**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	0.25	cal N	0.24	cal N	0.25
cust	E	0.24	E	0.25	E	0.24	E	0.25
	S	0.23	S	0.23	S	0.23	S	0.24
	W	0.25	W	0.23	W	0.23	W	0.24
Measurement	Direction	RS-A Granite	diff A-B	RS-B Porcelain	diff B-C	RS-C Vinyl	diff C-D	RS-D Ceramic
1	N	0.17	-0.04	0.21	-0.09	0.30	-0.36	0.66
2	E	0.17	-0.02	0.19	-0.07	0.26	-0.38	0.64
3	S	0.16	-0.04	0.20	-0.05	0.25	-0.43	0.68
4	W	0.16	-0.03	0.19	-0.10	0.29	-0.37	0.66
5	N	0.15	-0.04	0.19	-0.08	0.27	-0.41	0.68
6	E	0.15	-0.04	0.19	-0.07	0.26	-0.37	0.63
7	S	0.14	-0.03	0.17	-0.07	0.24	-0.43	0.67
8	W	0.14	-0.04	0.18	-0.07	0.25	-0.39	0.64
9	N	0.15	-0.03	0.18	-0.14	0.32	-0.36	0.68
10	E	0.15	-0.04	0.19	-0.11	0.30	-0.36	0.66
11	S	0.14	-0.06	0.20	-0.13	0.33	-0.32	0.65
12	W	0.14	-0.04	0.18	-0.10	0.28	-0.33	0.61
13	N	0.14	-0.03	0.17	-0.12	0.29	-0.31	0.60
14	E	0.15	-0.04	0.19	-0.08	0.27	-0.37	0.64
15	S	0.15	-0.03	0.18	-0.12	0.30	-0.34	0.64
16	W	0.14	-0.06	0.20	-0.12	0.32	-0.27	0.59
17	N	0.15	-0.02	0.17	-0.16	0.33	-0.32	0.65
18	E	0.14	-0.02	0.16	-0.14	0.30	-0.35	0.65
19	S	0.16	-0.04	0.20	-0.08	0.28	-0.31	0.59
20	W	0.14	-0.04	0.18	-0.12	0.30	-0.28	0.58
21	N	0.14	-0.05	0.19	-0.09	0.28	-0.34	0.62
22	E	0.15	-0.03	0.18	-0.08	0.26	-0.40	0.66
23	S	0.15	-0.02	0.17	-0.10	0.27	-0.33	0.60
24	W	0.14	-0.05	0.19	-0.09	0.28	-0.30	0.58
		<b>RS-A Granite</b>	<b>diff A-B</b>	<b>RS-B Porcelain</b>	<b>diff B-C</b>	<b>RS-C Vinyl</b>	<b>diff C-D</b>	<b>RS-D Ceramic</b>
	Mean	0.149	-0.037	0.185	-0.099	0.285	-0.351	0.636
	Standard Deviation	0.009	0.011	0.012	0.027	0.025	0.043	0.032
	Standard Error	0.002		0.002		0.005		0.007
	95th Confidence Lower	0.145		0.181		0.274		0.623
	95th Confidence Higher	0.153		0.190		0.295		0.649
	Rank	1		2		3		4
	Paired t test		15.906		17.671		39.954	
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								