

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 3 - 2/29/12
Validation Test Date 1/29/2016
Validation Temperature 71
Validation Humidity 50%
Walkway Tribometer Supplier Excel Tribometers, LLC
Walkway Tribometer Model English XL VIT with Sequencer
Walkway Tribometer Serial Number XXXXX84
Test Foot Number 3611
Test Foot Material Neolite
Test Foot Age (Smithers Manufacture) 3/26/2015
Test Foot Age (Mounted) 11/5/2015
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 4-Jul-12

Highlighted cells follow test foot sanding

Tile	cal N	0.22	cal N	0.22	cal N	0.22	cal N	0.23
0.22±0.03	E	0.21	E	0.22	E	0.21	E	0.20
	S	0.22	S	0.21	S	0.20	S	0.22
	W	0.20	W	0.21	W	0.21	W	0.21
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	0.13	-0.05	0.18	-0.08	0.26	-0.37	0.63
2	E	0.13	-0.04	0.17	-0.06	0.23	-0.37	0.60
3	S	0.13	-0.06	0.19	-0.04	0.23	-0.35	0.58
4	W	0.14	-0.04	0.18	-0.04	0.22	-0.37	0.59
5	N	0.13	-0.06	0.19	-0.04	0.23	-0.43	0.66
6	E	0.13	-0.05	0.18	-0.06	0.24	-0.42	0.66
7	S	0.14	-0.04	0.18	-0.05	0.23	-0.44	0.67
8	W	0.13	-0.05	0.18	-0.05	0.23	-0.44	0.67
9	N	0.13	-0.04	0.17	-0.13	0.30	-0.37	0.67
10	E	0.12	-0.06	0.18	-0.10	0.28	-0.38	0.66
11	S	0.13	-0.05	0.18	-0.09	0.27	-0.36	0.63
12	W	0.13	-0.04	0.17	-0.10	0.27	-0.37	0.64
13	N	0.13	-0.04	0.17	-0.09	0.26	-0.36	0.62
14	E	0.13	-0.05	0.18	-0.06	0.24	-0.39	0.63
15	S	0.13	-0.03	0.16	-0.09	0.25	-0.36	0.61
16	W	0.13	-0.04	0.17	-0.07	0.24	-0.38	0.62
17	N	0.13	-0.05	0.18	-0.09	0.27	-0.40	0.67
18	E	0.12	-0.06	0.18	-0.09	0.27	-0.37	0.64
19	S	0.13	-0.04	0.17	-0.09	0.26	-0.33	0.59
20	W	0.12	-0.06	0.18	-0.09	0.27	-0.31	0.58
21	N	0.13	-0.05	0.18	-0.11	0.29	-0.31	0.60
22	E	0.12	-0.05	0.17	-0.07	0.24	-0.31	0.55
23	S	0.13	-0.06	0.19	-0.07	0.26	-0.33	0.59
24	W	0.12	-0.06	0.18	-0.09	0.27	-0.30	0.57
25	N	0.13	-0.05	0.18	-0.13	0.31	-0.28	0.59
26	E	0.12	-0.05	0.17	-0.12	0.29	-0.32	0.61
27	S	0.12	-0.04	0.16	-0.14	0.30	-0.28	0.58
28	W	0.12	-0.06	0.18	-0.09	0.27	-0.29	0.56
29	N	0.12	-0.05	0.17	-0.07	0.24	-0.40	0.64
30	E	0.13	-0.04	0.17	-0.09	0.26	-0.37	0.63
31	S	0.13	-0.05	0.18	-0.06	0.24	-0.40	0.64
32	W	0.12	-0.06	0.18	-0.06	0.24	-0.42	0.66
33	N	0.12	-0.05	0.17	-0.05	0.22	-0.46	0.68
34	E	0.12	-0.04	0.16	-0.14	0.30	-0.34	0.64
35	S	0.12	-0.06	0.18	-0.07	0.25	-0.38	0.63
36	W	0.12	-0.05	0.17	-0.11	0.28	-0.32	0.60
37	N	0.12	-0.05	0.17	-0.08	0.25	-0.38	0.63
38	E	0.12	-0.06	0.18	-0.08	0.26	-0.37	0.63
39	S	0.12	-0.06	0.18	-0.09	0.27	-0.35	0.62
40	W	0.12	-0.06	0.18	-0.09	0.27	-0.33	0.60
		RS-A Granite	diff A-B	RS-B Porcelain	diff B-C	RS-C Vinyl	diff C-D	RS-D Ceramic
Mean		0.126	-0.050	0.176	-0.083	0.259	-0.363	0.622
Standard Deviation		0.006	0.008	0.007	0.026	0.024	0.045	0.034
Standard Error		0.001		0.001		0.004		0.005
95th Confidence Lower		0.124		0.174		0.252		0.611
95th Confidence Higher		0.128		0.178		0.266		0.632
Rank		1		2		3		4
Paired t test			37.321		19.863		51.301	
Rank Order Complies with ASTM F2508-13 Validation Requirements								
Differentiation Complies with ASTM F2508-13 Validation Requirements								
This Validation was performed in accordance with ASTM F2508-13								