

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 7/20/2015
Validation Temperature 75°F
Validation Humidity 49%
Walkway Tribometer Supplier Excel Tribometers, LLC
Walkway Tribometer Model English XL VIT with Sequencer
Walkway Tribometer Serial Number XXXXX64
Test Foot Number 3410
Test Foot Material Neolite
Test Foot Age (Smithers Manufacture) 3/26/2015
Test Foot Age (Mounted) 5/27/2015
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	0.23	cal N	0.24	cal N	0.23	cal N	0.23
0.21±0.03	E	0.22	E	0.21	E	0.22	E	0.22
	S	0.18	S	0.19	S	0.20	S	0.20
	W	0.19	W	0.20	W	0.20	W	0.20
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	-0.06	0.19	-0.04	0.23	-0.41	0.64
2	E	0.13	-0.06	0.19	-0.02	0.21	-0.41	0.62
3	S	0.13	-0.05	0.18	-0.02	0.20	-0.39	0.59
4	W	0.13	-0.05	0.18	-0.05	0.23	-0.40	0.63
5	N	0.13	-0.05	0.18	-0.02	0.20	-0.48	0.68
6	E	0.13	-0.05	0.18	-0.05	0.23	-0.45	0.68
7	S	0.14	-0.03	0.17	-0.05	0.22	-0.43	0.65
8	W	0.14	-0.04	0.18	-0.02	0.20	-0.39	0.59
9	N	0.14	-0.04	0.18	-0.05	0.23	-0.47	0.70
10	E	0.13	-0.04	0.17	-0.08	0.25	-0.43	0.68
11	S	0.13	-0.04	0.17	-0.07	0.24	-0.41	0.65
12	W	0.13	-0.04	0.17	-0.06	0.23	-0.39	0.62
13	N	0.13	-0.04	0.17	-0.05	0.22	-0.43	0.65
14	E	0.13	-0.04	0.17	-0.07	0.24	-0.39	0.63
15	S	0.13	-0.05	0.18	-0.05	0.23	-0.41	0.64
16	W	0.13	-0.04	0.17	-0.05	0.22	-0.41	0.63
17	N	0.14	-0.02	0.16	-0.09	0.25	-0.47	0.72
18	E	0.13	-0.04	0.17	-0.06	0.23	-0.47	0.70
19	S	0.13	-0.05	0.18	-0.10	0.28	-0.40	0.68
20	W	0.13	-0.04	0.17	-0.12	0.29	-0.33	0.62
21	N	0.13	-0.04	0.17	-0.09	0.26	-0.38	0.64
22	E	0.12	-0.06	0.18	-0.07	0.25	-0.38	0.63
23	S	0.12	-0.05	0.17	-0.10	0.27	-0.36	0.63
24	W	0.12	-0.05	0.17	-0.07	0.24	-0.36	0.60
25	N	0.13	-0.04	0.17	-0.11	0.28	-0.42	0.70
26	E	0.12	-0.04	0.16	-0.08	0.24	-0.44	0.68
27	S	0.13	-0.03	0.16	-0.09	0.25	-0.45	0.70
28	W	0.13	-0.03	0.16	-0.07	0.23	-0.37	0.60
29	N	0.12	-0.03	0.15	-0.09	0.24	-0.38	0.62
30	E	0.12	-0.04	0.16	-0.12	0.28	-0.08	0.36
31	S	0.13	-0.03	0.16	-0.09	0.25	-0.38	0.63
32	W	0.13	-0.04	0.17	-0.07	0.24	-0.39	0.63
33	N	0.12	-0.04	0.16	-0.11	0.27	-0.40	0.67
34	E	0.12	-0.03	0.15	-0.13	0.28	-0.39	0.67
35	S	0.12	-0.05	0.17	-0.11	0.28	-0.36	0.64
36	W	0.13	-0.03	0.16	-0.10	0.26	-0.39	0.65
37	N	0.12	-0.04	0.16	-0.11	0.27	-0.38	0.65
38	E	0.12	-0.03	0.15	-0.13	0.28	-0.34	0.62
39	S	0.12	-0.04	0.16	-0.12	0.28	-0.33	0.61
40	W	0.12	-0.03	0.15	-0.15	0.30	-0.31	0.61
		RS-A Granite	diff A-B	RS-B Porcelain	diff B-C	RS-C Vinyl	diff C-D	RS-D Ceramic
Mean		0.128	-0.041	0.169	-0.078	0.247	-0.392	0.639
Standard Deviation		0.006	0.009	0.010	0.033	0.026	0.064	0.056
Standard Error		0.001		0.002		0.004		0.009
95th Confidence Lower		0.126		0.166		0.239		0.621
95th Confidence Higher		0.130		0.172		0.255		0.656
Rank		1		2		3		4
Paired t test			27.937		14.805		38.727	
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								