

ASTM F2508 Validation Report

Operator Nicholas Robusto
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 5/11/2018
Validation Temperature 74°F
Validation Humidity 52%
Walkway Tribometer Supplier Excel Tribometers, LLC
Walkway Tribometer Model English XL VIT Std
Walkway Tribometer Serial Number xxxxx61
Test Foot Number 5215
Test Foot Material Neolite
Test Foot Age (Smithers Manufacture) 8/17/2017
Test Foot Age (Mounted) 3/8/2018
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	0.20	cal N	0.20	cal N	0.20	cal N	0.20
237	E	0.20	E	0.20	E	0.18	E	0.20
	S	0.20	S	0.19	S	0.19	S	0.18
	W	0.19	W	0.19	W	0.20	W	0.19
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	0.15	-0.05	0.20	-0.02	0.22	-0.43	0.65
2	E	0.14	-0.05	0.19	-0.05	0.24	-0.44	0.68
3	S	0.13	-0.06	0.19	-0.06	0.25	-0.36	0.61
4	W	0.12	-0.06	0.18	-0.06	0.24	-0.36	0.60
5	N	0.14	-0.03	0.17	-0.07	0.24	-0.36	0.60
6	E	0.13	-0.04	0.17	-0.05	0.22	-0.45	0.67
7	S	0.12	-0.07	0.19	-0.04	0.23	-0.38	0.61
8	W	0.13	-0.06	0.19	-0.08	0.27	-0.33	0.60
9	N	0.11	-0.07	0.18	-0.10	0.28	-0.33	0.61
10	E	0.13	-0.06	0.19	-0.08	0.27	-0.38	0.65
11	S	0.13	-0.04	0.17	-0.08	0.25	-0.35	0.60
12	W	0.14	-0.02	0.16	-0.12	0.28	-0.36	0.64
13	N	0.13	-0.05	0.18	-0.11	0.29	-0.31	0.60
14	E	0.12	-0.07	0.19	-0.06	0.25	-0.35	0.60
15	S	0.11	-0.08	0.19	-0.06	0.25	-0.35	0.60
16	W	0.12	-0.07	0.19	-0.11	0.30	-0.34	0.64
17	N	0.14	-0.02	0.16	-0.07	0.23	-0.46	0.69
18	E	0.13	-0.04	0.17	-0.08	0.25	-0.46	0.71
19	S	0.14	-0.04	0.18	-0.07	0.25	-0.40	0.65
20	W	0.13	-0.04	0.17	-0.12	0.29	-0.33	0.62
21	N	0.13	-0.05	0.18	-0.03	0.21	-0.44	0.65
22	E	0.14	-0.04	0.18	-0.05	0.23	-0.41	0.64
23	S	0.14	-0.03	0.17	-0.07	0.24	-0.36	0.60
24	W	0.13	-0.05	0.18	-0.05	0.23	-0.39	0.62
		RS-A Granite	diff A-B	RS-B Porcelain	diff B-C	RS-C Vinyl	diff C-D	RS-D Ceramic
Mean		0.130	-0.050	0.180	-0.070	0.250	-0.380	0.631
Standard Deviation		0.010	0.016	0.011	0.027	0.024	0.045	0.033
Standard Error		0.002		0.002		0.005		0.007
95th Confidence Lower		0.126		0.176		0.241		0.618
95th Confidence Higher		0.134		0.184		0.260		0.644
Rank		1		2		3		4
Paired t test			14.921		12.881		41.011	
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								