

ASTM F2508 Validation Report

Operator Patrick Dermody
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 8/24/2018
Validation Temperature 75.9°F
Validation Humidity 49%
Walkway Tribometer Supplier Excel Tribometers, LLC
Walkway Tribometer Model English XL VIT Seq
Walkway Tribometer Serial Number xxxxx64
Test Foot Number 5411
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	0.23	cal N	0.22	cal N	0.22	cal N	0.22
384	E	0.22	E	0.20	E	0.20	E	0.20
	S	0.20	S	0.20	S	0.20	S	0.21
	W	0.22	W	0.20	W	0.22	W	0.22
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	0.16	-0.04	0.20	-0.04	0.24	-0.39	0.63
2	E	0.17	-0.02	0.19	-0.08	0.27	-0.37	0.64
3	S	0.15	-0.03	0.18	-0.09	0.27	-0.39	0.66
4	W	0.15	-0.01	0.16	-0.11	0.27	-0.42	0.69
5	N	0.14	-0.05	0.19	-0.07	0.26	-0.39	0.65
6	E	0.16	-0.04	0.20	-0.05	0.25	-0.45	0.70
7	S	0.15	-0.01	0.16	-0.07	0.23	-0.42	0.65
8	W	0.16	-0.01	0.17	-0.07	0.24	-0.43	0.67
9	N	0.13	-0.05	0.18	-0.09	0.27	-0.40	0.67
10	E	0.15	-0.02	0.17	-0.11	0.28	-0.35	0.63
11	S	0.15	-0.02	0.17	-0.11	0.28	-0.39	0.67
12	W	0.15	-0.04	0.19	-0.07	0.26	-0.44	0.70
13	N	0.16	-0.02	0.18	-0.10	0.28	-0.33	0.61
14	E	0.16	-0.02	0.18	-0.11	0.29	-0.30	0.59
15	S	0.15	-0.02	0.17	-0.11	0.28	-0.37	0.65
16	W	0.13	-0.06	0.19	-0.12	0.31	-0.29	0.60
17	N	0.17	-0.03	0.20	-0.05	0.25	-0.39	0.64
18	E	0.15	-0.02	0.17	-0.16	0.33	-0.32	0.65
19	S	0.14	-0.05	0.19	-0.12	0.31	-0.33	0.64
20	W	0.15	-0.05	0.20	-0.08	0.28	-0.33	0.61
21	N	0.16	-0.02	0.18	-0.12	0.30	-0.33	0.63
22	E	0.15	-0.05	0.20	-0.13	0.33	-0.33	0.66
23	S	0.14	-0.04	0.18	-0.16	0.34	-0.29	0.63
24	W	0.16	-0.04	0.20	-0.09	0.29	-0.31	0.60
		RS-A Granite	diff A-B	RS-B Porcelain	diff B-C	RS-C Vinyl	diff C-D	RS-D Ceramic
	Mean	0.152	-0.032	0.183	-0.097	0.280	-0.365	0.645
	Standard Deviation	0.010	0.015	0.013	0.031	0.029	0.049	0.030
	Standard Error	0.002		0.003		0.006		0.006
	95th Confidence Lower	0.147		0.178		0.268		0.632
	95th Confidence Higher	0.156		0.189		0.291		0.657
	Rank	1		2		3		4
	Paired t test		10.018		15.087		36.803	
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								