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Coefficient of Friction Report

Test Method - ASTM D 1894-06

October 8th, 2008

Material	: Firestone TPO Walk Pad Material with SolidStepCote applied to one side
Sled Size	: 2.5" x 2.5"
Substrate	: Neoprene Rubber
Test Specification	: SolidStepCote v/s Neoprene Rubber
Apparatus Used	: Instron Series 5569
Sample Type	: Plaque
Sample Preparation	: Tested as received
Sample Conditioning	: 40+ Hours @ 23°C +/- 2°C RH 50% +/- 5%
Test Conditions	: 23°C +/- 2°C - RH 50% +/- 5%
Significance	: ASTM D 1894 specifies that results be reported to 3 significant figures and standard deviation to 2 significant figures



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Test Surface without SolidStepCote

Sample Name	Test Number	Static Load (g)	Sled Weight (g)	Static Coefficient Of Friction	Kinetic Load (g)	Sled Weight (g)	Kinetic Coefficient Of Friction
Gray Side Tested Dry	1	112.0	199.9	0.560	93.5	199.9	0.468
	2	110.0	199.9	0.550	98.4	199.9	0.482
	3	107.0	200.0	0.535	90.8	200.0	0.454
	4	98.40	199.9	0.492	91.9	199.9	0.460
	5	114.0	200.1	0.570	90.9	200.1	0.454
Average Std. Dev.				0.542 0.030			0.464 0.012
Gray Side Tested Wet Sprayed with DI Water	1	111.0	200.1	0.555	105.0	200.1	0.525
	2	105.0	199.9	0.525	112.0	199.9	0.560
	3	111.0	200.0	0.555	94.30	200.0	0.472
	4	114.0	200.0	0.570	92.40	200.0	0.462
	5	104.0	200.0	0.520	84.60	200.0	0.423
Average Std. Dev.				0.545 0.021			0.488 0.054

Test Surface with SolidStepCote

Sample Name	Test Number	Static Load (g)	Sled Weight (g)	Static Coefficient Of Friction	Kinetic Load (g)	Sled Weight (g)	Kinetic Coefficient Of Friction
White Side Tested Dry	1	190.0	200.1	0.950	135.0	200.1	0.675
	2	214.0	200.0	1.070	154.0	200.0	0.770
	3	234.0	200.1	1.170	166.0	200.1	0.830
	4	221.0	200.1	1.100	146.0	200.1	0.730
	5	238.0	200.1	1.190	164.0	200.1	0.820
Average Std. Dev.				1.10 0.10			0.765 0.064
WhiteSide Tested Wet Sprayed with DI Water	1	280.0	199.9	1.40	189.0	199.9	0.945
	2	264.0	200.0	1.32	180.0	200.0	0.900
	3	285.0	199.9	1.43	173.0	199.9	0.865
	4	261.0	199.9	1.31	180.0	199.9	0.900
	5	279.0	199.9	1.40	175.0	199.9	0.875
Average Std. Dev.				1.37 0.05			0.897 0.031