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AS9100B & ISO 9001:2008 CERTIFIED

November 7, 2011

Jonathan Hamp
 Thermagrip Ltd.
 The Stables,
 King Edward Street, Macclesfield
 Cheshire, SK10 1AQ
 England

Subject: TABER Test Request (C1831)
 Ref: Taber Test Report C1781

Dear Jonathan:

Thank you for your interest in the “Taber Test Your Sample” Program. I performed rotary abrasion tests on the gray anti-slip flooring samples that you submitted to us. I marked the samples A and B for ease of identification. Testing was performed per ASTM G195, “Standard Guide for Conducting Wear Tests Using a Rotary Platform, Double-Head Abraser”. The purpose of the testing is to aid the customer in recommending a “Taber” test to rank flooring products from an abrasion/wear standpoint.

The following details our test instrument set-up:

Instrument:	Taber Rotary Abraser – Model 5155
Abrasive Wheel:	H-10
Load:	1,000 gram per wheel
Vacuum Nozzle Gap:	Approx. 1/8”
Total Cycles:	See findings
Test Conditions:	72°F, 55% RH
Test Operator:	Clifford Fee
Date:	November 7, 2011

Test Method:

- Data from referenced test report was added for ease of a direct comparison.
- Samples were received as 100mm (4 inch) squares. I drilled a 6.35mm (¼ inch) center hole in each sample to use the standard specimen table that comes with the Model 5155.
- Samples were weighed prior to and at the end of each test unless otherwise noted.
- The wheels were refaced prior to each test and as otherwise noted. A Model 250 Wheel Refacer was used to reface the wheels.



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Test Results:

Sample	Cycles	Wheel	Wt. Initial (g)	Wt. Final (g)	Δ Wt. (g)	Total Δ Wt. (g)	Wt. Loss/Cycle (mg)
UF2	770	H-10	39.0646	38.8064	0.2582		0.3353
F2	1000	H-10	57.5357	57.3985	0.1372		0.1372
Xtra	460	H-10	38.6618	38.4148	0.2470		0.5370
Med	1000	H-10	62.2555	62.0745	0.1810		
	2000	H-10		62.0544	0.0201	0.2011	0.0100
Gray A	1000	H-10	48.7734	48.6256	0.1478		0.1478
Gray B	1000	H-10	50.6256	50.4341	0.1915		0.1915

Although the rotary abraser may not exactly simulate the type of wear that you are experiencing, this instrument provides a means to evaluate the abrasion resistance of these types of products and allows you to generate comparative data.

Recommendation: I would recommend that the customer purchase a Taber Model 5135 or 5155 Rotary Abraser to test his samples. A Model 250 Wheel Refacer will also be needed to properly reface the wheels. I would also recommend that H-10 Wheels be used to test his product. When doing a direct comparison, the same wheel set, load and refacing interval should be kept consistent.

Conclusion: The test results given were only for one specimen of each sample provided. For statistical purposes, 3 to 5 specimens of each sample should be tested and compared. The customer should further investigate cycle count and wheel refacing intervals.

Should you have any questions about these results, please contact me at the information below.

Cliff Fee

Sales Application Engineer

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