

ABIC TESTING LABORATORIES, INC.

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To: Nydree Flooring
Mr. Joe Tomasko

March 17, 2014

From: Leonard Mackowiak

Subject: Static & Dynamic Coefficient Of Friction Testing
Project No 5520-01

Introduction

ABIC Testing Laboratories, Inc. was authorized to test the following identified coating. The coating was applied to wood flooring which was submitted by the client. This submitted wood flooring was tested for static coefficient of friction (SCOF) and dynamic coefficient of friction (DCOF) with dry leather by the ASTM D-2394 method, Sections 33 thru 37.

- Pedestrian ' Trustor 4011-01' finish

Results

Our results are shown in Exhibits I. Additionally a picture of the testing apparatus is attached. The SCOF and DCOF values are shown with dry leather.

Discussion

The American with Disabilities Act requires that a walking surface must produce a Static Coefficient of Friction (SCOF) of 0.6 or greater. In our study the Pedestrian ' Trustor 4011-01' finish meets this standard with dry leather when tested according to ASTM D-2394.

Respectfully submitted,



Leonard Mackowiak
Vice President

**Exhibit I
Nydree Flooring
Static & Dynamic Coefficient Of Friction Values**

Test Method: ASTM D-2394-05

Material: Dry Leather

<u>Product Identification</u>	Static Coefficient of Friction Values (SCOF) Force Values (Pounds)												SCOF Value *
Pedestrian Trustor 4011-1 Finish (Calculated Individual SCOF Values)	21.5	28.0	26.0	26.5	27.0	26.0	27.5	26.5	27.0	25.5	26.5	23.5	1.04
	0.86	1.12	1.04	1.06	1.08	1.04	1.10	1.06	1.08	1.02	1.06	0.94	1.04

<u>Product Identification</u>	Dynamic Coefficient of Friction Values (DCOF) Force Values (Pounds)												DCOF Value **
Pedestrian Trustor 4011-1 Finish (Calculated Individual SCOF Values)	20.8	20.5	20.5	21.5	21.0	20.5	21.0	21.0	18.0	19.8	19.3	18.5	0.81
	0.83	0.82	0.82	0.86	0.84	0.82	0.84	0.84	0.72	0.79	0.77	0.74	0.81

*SCOF Calculation : $SCOF = (\text{Sum of 12 force values} / \text{number of tests (12)} \times \text{assembly weight (25 lbs)})$

** DCOF Calculation : $SCOF = (\text{Sum of 12 force values} / \text{number of tests (12)} \times \text{assembly weight (25 lbs)})$

Source: ABIC Testing Laboratories, Inc.

