

# **ABIC TESTING LABORATORIES, INC.**

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To: CS Construction Specialties  
Mr. Michael Dance

August 24, 2012

From: Leonard Mackowiak

Subject: Static Coefficient Of Friction Testing  
Project No 5418-03a

## **Introduction**

ABIC Testing Laboratories, Inc. was authorized to test the following samples for static coefficient of friction (SCOF). The coefficient of friction determination was made using the James Machine as specified in ASTM D-2047. Testing was conducted using dry and wet neolite.

Flooring Styles: G1/G3/G4 with the following inserts:

- Type: Recycled Rubber
- Type: Carpet
- Type: Abrasive Tape
- Type: Poured Abrasive
- Type: Serrated Aluminum

## **Results:**

<b><u>Product Identification</u></b>	<b><u>Type</u></b>	<b><u>SCOF Values</u></b>	<b><u>Average SCOF</u></b>
G1/G3/G4: Recycled Rubber	Dry Neolite	.54, .54, .53, .52 .50, .51, .53, .47 .53, .52, .54, .52	.5
	Wet Neolite	.74, .74, .68, .70 .70, .73, .70, .70 .72, .68, .72, .68	.7
	G1/G3/G4: Carpet	Dry Neolite	.80, .75, .70, .70 .64, .63, .57, .78 .69, .68, .71, .67
	Wet Neolite	.65, .64, .55, .60 .64, .65, .69, .72 .71, .67, .73, .72	.7

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**Results, continued:**

<b><u>Product Identification</u></b>	<b><u>Type</u></b>	<b><u>SCOF Values</u></b>	<b><u>Average SCOF</u></b>
G1/G3/G4: Abrasive Tape	Dry Neolite	.99, .93, 1.05, 1.05 1.05, 1.01, 1.04, 1.03 1.02, 1.00, 1.04, 1.03	1.0
	Wet Neolite	.90, .83, .87, .98 .80, .76, .90, .90 .88, .85, .87, .83	.9
G1/G3/G4: Poured Abrasive	Dry Neolite	1.05, 1.05, 1.00, 1.00 .92, 1.05, .90, .90 .99, 1.01, .99, .96	1.0
	Wet Neolite	.85, .98, .92, .85 .95, 1.04, .98, .88 1.02, .99, .98, 1.04	1.0
G1/G3/G4: Serrated Aluminum	Dry Neolite	.74, .74, .66, .65 .75, .75, .63, .65 .68, .70, .63, .61	.7
	Wet Neolite	.68, .68, .65, .66 .63, .63, .71, .68 .66, .67, .65, .64	.7

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**Discussion**

It is generally recognized that a walking surface must have a static coefficient of friction of 0.5 or greater to be considered slip resistant. In our evaluation all of the following materials meet this standard:

Flooring Styles: G1/G3/G4 with the following inserts:

- Type: Recycled Rubber
- Type: Carpet
- Type: Abrasive Tape
- Type: Poured Abrasive
- Type: Serrated Aluminum

Respectfully submitted,



Leonard Mackowiak  
Vice President