

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 5418-03

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: M1/M2/T1 with the following inserts:

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

Results:

| <u>Product Identification</u> | <u>Type</u> | <u>SCOF Values</u> | <u>Average SCOF</u> |
|--------------------------------------|--------------------|--|----------------------------|
| M1/M2/T1: Recycled Rubber | Dry Neolite | .66, .64, .58, .61 .62, .60, .58, .55 .63, .60, .59, .61 | .6 |
| | Wet Neolite | .72, .72, .73, .76 .75, .77, .83, .74 .73, .72, .75, .76 | .7 |
| | Dry Neolite | .61, .58, .75, .70 .73, .64, .78, .64 .73, .60, .72, .69 | .7 |
| M1/M2/T1: Carpet | Wet Neolite | .90, .83, .78, .76 .85, .88, .67, .67 .83, .86, .79, .81 | .8 |

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Results, continued:

| <u>Product Identification</u> | <u>Type</u> | <u>SCOF Values</u> | <u>Average SCOF</u> |
|--------------------------------------|--------------------|---|----------------------------|
| M1/M2/T1: Abrasive Tape | Dry Neolite | 1.01, 1.08, .91, .94 .92, 1.0, .90, .98 .99, 1.02, 1.02, .97 | 1.0 |
| | Wet Neolite | .90, .86, .83, .83 .94, .89, .80, .84 .83, .86, .83, .87 | .9 |
| M1/M2/T1: Poured Abrasive | Dry Neolite | 1.14, 1.20, 1.03, 1.04 .95, 1.08, 1.15, 1.01 1.20, 1.05, 1.10, 1.02 | 1.0 |
| | Wet Neolite | 1.20, 1.05, 1.10, 1.02 1.03, 1.00, 1.05, .95 1.06, 1.02, 1.00, .99 | 1.0 |
| M1/M2/T1: Serrated Aluminum | Dry Neolite | .54, .60, .45, .50 .62, .68, .56, .57 .63, .60, .57, .55 | .6 |
| | Wet Neolite | .66, .64, .63, .62 .63, .64, .65, .64 .65, .66, .61, .63 | .6 |

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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: M1/M2/T1 with the following inserts:

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

Respectfully submitted,



Leonard Mackowiak
Vice President