

TorTestSM Floor Friction Testing Service
SOTTER ENGINEERING CORPORATION
Consultants

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*Licensed by the State of California
Board of Professional Engineers
And Land Surveyors*

*Approved by the City of Los Angeles
for testing slip resistance of flooring*

**Dynamic Slip Resistance using
ASTM E303-93 (2013) Pendulum Test Method**

Client: **CTL Group – Joni L. Jones**

Report date: 3/30/15

Flooring: **Control and PaviX 100**

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Sample no.: 1503-3022

Date tested: 3/30/15

How and when sample obtained: Supplied by client 3/30/15

Location of test: Sotter Engineering Test Laboratory in Mission Viejo, CA

Type, age, condition, and texture of surface: broomed concrete, new, clean, rough

Post-test free swing: 0 Age of TRL slider: 11 months Surface Temperature: 76°F

American Society for Testing and Materials Method E303-93 (2013), “Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester”

(astm.org) The trailing edge of a three-inch-wide spring-loaded slider, which is attached to the end of a 20-inch pendulum, contacts the tested surface when the pendulum is released from a horizontal position. The slider contact path length is pre-set to five inches. The pendulum pushes a pointer that stops and stays at the high point of the pendulum’s swing. For road-related testing, the slider is usually TRL (Transport & Road Laboratory) soft rubber.

Higher British Pendulum Numbers (BPN) indicate increased friction. For reference only, with TRL rubber the BPN of wet #60 grade silicon carbide abrasive cloth at normal room temperature is approximately 57. For clear wet float glass it is 8.

Control: Average Wet BPN: 77

Individual BPN values: 79, 77, 76, 76

PaviX 100: Average Wet BPN: 59

Individual BPN values: 61, 59, 58, 57

Respectfully submitted,
SOTTER ENGINEERING CORPORATION



J. George Sotter, P.E., Ph.D.
President



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