SLIP TEST FIRST

Floor Technician – Adrian Silva

Wet Slip Resistance Test Report for Pedestrian Surfaces

This Report has been prepared for: 3M Australia.

Contact: Farhad Fatahi.

Test Site Location: 3M Innovation Centre Ryde.

Test Date: 23/05/2014

Job Number: W704

Test conducted by: Adrian Silva

Standard Applied: AS 4586-2013, Appendix A- Table 2.

Rubber Slider Type: Four S (Slider 96)
And conditioned with grade P400 sandpaper, and then passing over 3M 261x Imperial Lapping film grade 3MIC as per Standard.

Rubber Slider Conditioning Swings-

Swing 1: 86 **Swing 2:** 86 **Swing 3:** 86.

Fixed or Unfixed Surface: fixed

Nature/purpose of Test: Testing of 3M™ Safety-Walk Fine Grade Resilient tape.

Identification of area: Installed on the floor at the Lab.

Description and condition of Surface: Approx. 1 m length by 20 cm wide, tape with aggregate.

Topography of surface: Gritty surface.
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Direction of test with respect to directionality of surface characteristics: Testing was conducted to reflect *Pedestrian traffic*, and trying to pick weak areas of the floor in terms of slip resistance.

Slopes: Nil

Cleaning for the purpose of testing: Water/rag.

Start Time: 16:50 pm

Maintenance cleaning carried out: Unknown.

Temperature on the day: 23˚ Celsius, 69% Humidity. Overcast.

Notes:

1. The areas tested were carried out onsite using a Wessex Pendulum Friction Tester (ID No.: SK1712, Calibration Certificate. No. R 5761, provided by Slip Check. Conditioned with Grade P400 paper).
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+ Table 1 in AS/NZS 4663 estimates the contribution of the floor surface only, to an occurrence of a slip under wet conditions (see attached guidelines).

Procedure:

Test were done observing and conducted as per AS:4663-2013 and guidelines of HB 197:1999. The area tested were carried out on site using a Wessex Pendulum Friction Tester, (ID No.SK1712)Each test was subjected to a minimum of five (5) swings per test, with the measurement results being recorded.

Calibration Certificate of Friction Pendulum Tester: No. 5761 (provided by Slip Check 19th September, 2013).

Samples tested: 3M™Safety-Walk Fine Grade Resilient tape (Clear).

Sample Tested	Slip Resistance Results					Slopes	Cleaning Type	Floor Type	Coating	British Pendulum Number
1. Test area 1 Pic.1	41	40	40	40	40	NIL	NIL	Coated tape	Antislip	40 BPN
2. Test Area 2 Pic.2	40	40	40	40	40	" "	As Above	As Above	As Above	40 BPN
3. Test Area 3 Pic.3	40	40	40	40	40	" "	As Above	As Above	As Above	40 BPN
4. Test Area 4 Pic.4	40	40	40	40	40	" "	As Above	As Above	As Above	40 BPN
5. Test Area 5 Pic.5	41	40	40	40	40	" "	As Above	As Above	As Above	40 BPN

Mean British Pendulum Number: 40 BPN

20% Standard Deviation of MBPN: 8 BPN

Notional Contribution of the floor surface to the *RISK of SLIPPING* when wet: Moderate

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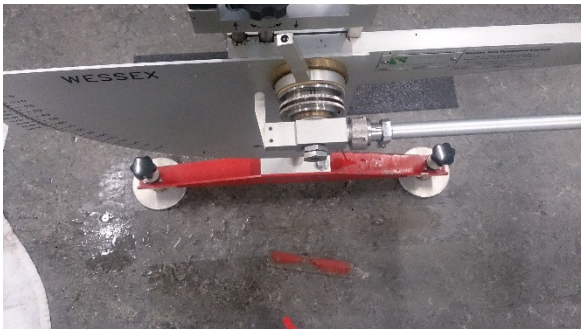
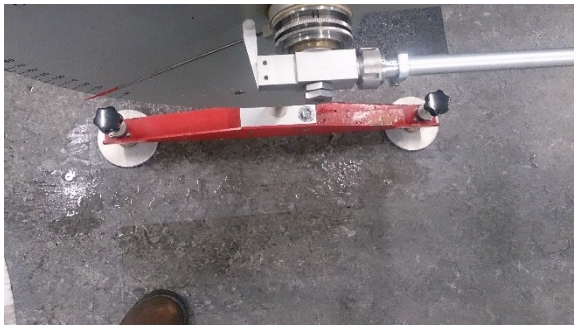
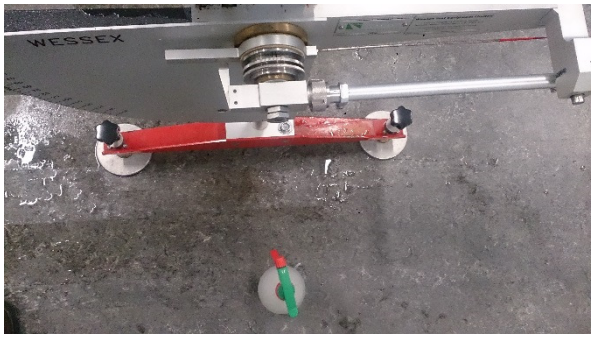
Pic 1



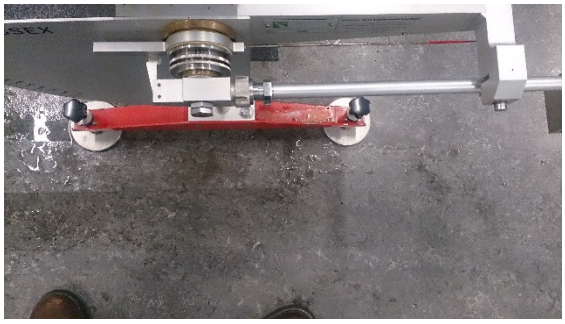
Pic 2



Pic 3



Pic 4



Pic 4.

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Remarks:

Testing of 3M™ Safety-Walk Fine Grade Resilient Tape (Clear):

The tested surfaces achieved a mean average of **40 BPN**. **Table 2** of **AS 4586-2013**; *'Classification of Pedestrian Surface Materials According to the AS 4586 Wet Pendulum Test',* the surfaces achieve a **P3 Classification**.

The tape would be applicable in areas where the minimum requirements necessary are as per HB 197, '*An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials'*, **under Table 3**,*'Pedestrian Flooring Guide- Minimum Pendulum or Ramp Recommendations for Specific Locations',* The minimum requirement for these specific location call for a **X Pendulum Classification, R 10 Ramp Classification**. Then taking these classifications and cross referencing with **Table 2**, we see that **35-44 BPN**.

*As per **AS 4586-2013**, and **AS 4663-2013**, Slip Resistant Value or **SRV** is taken to mean the Mean BPN value that has been tested and calculated in accordance with Appendix A whether on a level or sloped surface

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