



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: W703

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: 84 **Swing 2:** 84 **Swing 3:** 84.

Fixed or Unfixed Surface: fixed

Nature/purpose of Test: Testing of 3M™ Safety-Walk Medium 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.

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.

Samples tested: 3M™ Safety-Walk Medium Grade Resilient tape (Grey).

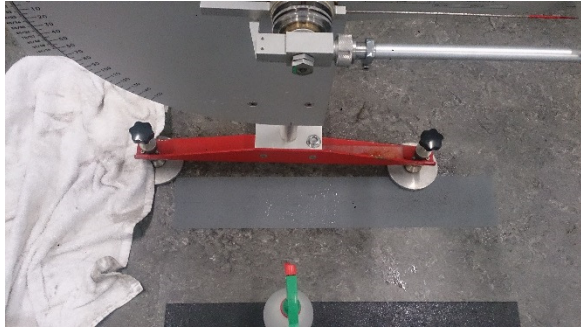
Sample Tested	Slip Resistance Results					Slopes	Cleaning Type	Floor Type	Coating	British Pendulum Number
1. Test area 1 Pic.1	26	24	24	24	24	NIL	NIL	Coated tape	Antislip	24 BPN
2. Test Area 2 Pic.2	22	22	24	24	24	“ “	As Above	As Above	As Above	24 BPN
3. Test Area 3 Pic.3	24	24	24	24	24	“ “	As Above	As Above	As Above	24 BPN
4. Test Area 4 Pic.4	24	24	24	24	24	“ “	As Above	As Above	As Above	24 BPN
5. Test Area 5 Pic.5	24	24	24	24	24	“ “	As Above	As Above	As Above	24 BPN

Mean British Pendulum Number: **24 BPN**

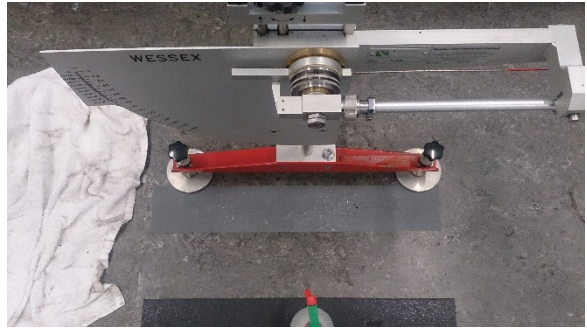
20% Standard Deviation of MBPN: **5 BPN**

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

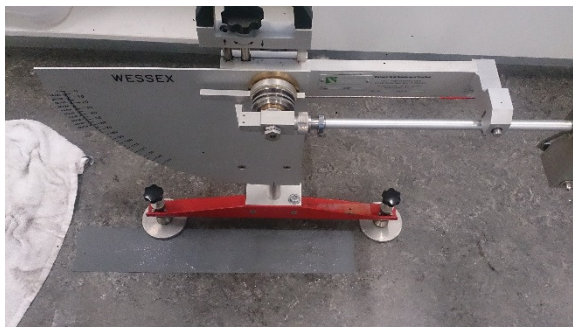
SLIP TEST FIRST



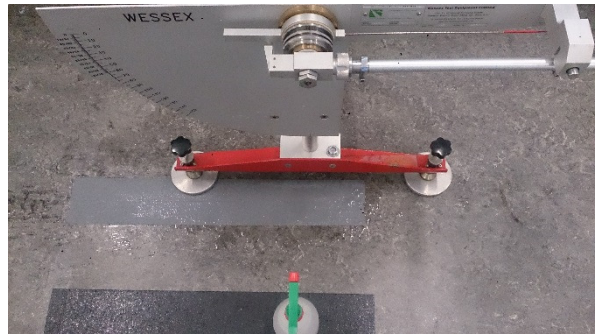
Pic 1



Pic 2



Pic 3



Pic 4



Pic 4.



SLIP TEST FIRST

Floor Technician – Adrian Silva

Remarks:

Testing of 3M™ Safety-Walk Medium Grade Resilient Tape (Grey or yellow):

The tested surfaces achieved a mean average of **24 BPN. Table 2 of AS 4586-2013**; *'Classification of Pedestrian Surface Materials According to the AS 4586 Wet Pendulum Test'*, the surfaces achieve a **P1 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 **Z Pendulum Classification, R 9 Ramp Classification**. Then taking these classifications and cross referencing with **Table 2**, we see that **25 BPN** and below.

*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