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Accreditation No. 2735

WET PENDULUM SLIP RESISTANCE TEST

Prepared for: Godfrey Hirst
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Sample Description: Iperform 70 GH - Sheet Vinyl

Sold as:

Iperform 70

Forefront 170

No. of Specimens & Size Supplied: 5 off, 150x150 mm.(Sampling Conducted by Client)

Specimen Preparation: Washed with water and pH neutral detergent, rinsed then dried.

Test Condition & Slope: Unfixed, N/A

Test Direction: Test direction not applicable.

Air Temperature: 21°C

Test Standard: AS 4586:2013 Slip resistance classification of new pedestrian surface materials, Appendix A - Wet Pendulum Test

Test Location: ATTAR 44-48 Rocco Drive, Scoresby, VIC, 3179

Test Date: 25 March 2024

Test Equipment: Stanley Pendulum Skid Resistance Tester Serial Number 9541, Calibrated 29/4/2022.

Slider Rubber: Slider 96 Batch No. #27 prepared on P400 & 3µm lapping film.

Test Personnel: Marcus Bosworth

Specimen Number	1	2	3	4	5
Mean British Pendulum Number (BPN)	39	36	37	38	38
Slip Resistance Value (SRV)	38				
Classification	P3				

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip resistance be checked. Where alternatives are permitted by the standard, the choice of rubber slider used may also influence the test results obtained.

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Figure 1: Photo of the specimen tested.

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CLASSIFICATION CRITERIA – AS 4586: 2013/Amdt 1: 2017
Wet Pendulum Test - Appendix A

Compliance

The surface shall comply with the stated classification for the test method and test rubber that is nominated and declared by the manufacturer or supplier.

TABLE 2: CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE AS 4586 WET PENDULUM TEST

Class	Pendulum SRV (see Note 1)	
	Slider 96	Slider 55
P5	>54	>44
P4	45-54	40-44
P3	35-44	35-39
P2	25-34	20-34
P1	12-24	<20
P0	<12	

NOTES:
1 While Slider 96 or Slider 55 rubbers may be used, the test report shall specify the rubber that was used.
2 It is expected that these surfaces will have greater slip resistance when dry.
3 SDV may be calculated by using the tables that are given in Appendix F of AS 4586, and the minimum SRV that is considered appropriate for a level surface (see examples given in Appendix F of AS 4586).

Means of demonstrating compliance

Pedestrian surfaces that are classified in accordance with Table 2 shall meet the following criteria:

(a) The mean test results shall be as follows:

(i) For the classifications in Table 2, the mean of the test results shall be—
(A) within the relevant criteria set out in the table; and
(B) each individual result shall be equal to or above the lower limit for the classification or, if below the classification, within the mean of the result minus 20%.

If either criteria is not met, the lot shall be considered to be of lower classification.

(b) The classification in accordance with Table 2 shall be determined by—

(i) selecting and testing at least five specimens at random as specified in Appendices A and B of AS4586; or

(ii) carrying out continuous testing and process control in accordance with AS 3942.

(c) When testing individual lots, if a particular test fails to produce the expected classification it shall be permissible to—

(i) disregard the first sample, resample a minimum of 10 specimens from the whole lot, retest and apply the criteria to the new sample; or

(ii) subdivide the lot into smaller lots of different quality, resample, retest and reclassify each of the smaller lots.

Slip Resistance of Carpet

When AS4586 is used for the testing and classification of the slip resistance of carpets (or carpet-like products) in potentially wet locations, the carpet shall be tested using the wet pendulum test method set out in Appendix A of AS4586, and shall be reported as such.

When AS4586 is used for the testing and classification of the slip resistance of carpets in dry locations, the test shall be carried out in the dry condition using the pendulum test method set out in Appendix A of AS4586, modified in accordance with Paragraph A2, and shall be reported as such.

The ‘dry floor friction’ test method in Appendix B of AS4586 is not suitable for heavily profiled surfaces or carpets.

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