

Reduce Your Risk!" **Independent Slip Testing Services** GLOBAL PRODUCT CLASSIFICATION

TEST REPORT SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

AS 4586-2013 Appendix A - Wet Pendulum Testing

Prepared For: National Flooring Distributors

Product Description: Summit Granite, Dark Grey, Vinyl Plank, 23x30cm

Issue Date: 13-09-2023 Page: 1 of 4





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TEST REPORT- Wet Pendulum Slip Resistance Classification (Australian Standard)

Report Prepared for:	National Flooring Distributors	Page #: 2 of 4
	58 Blanck Street	Program #: 8005
	Ormeau QLD 4208	
Test Date:	13-09-2023	
Test Site:	Independent Slip Testing Services- Slip Resistance Testing Facility (Lota Head	dquarters QLD Australia)
Testing Technician:	C.Rezuk	
Testing Instrument:	Pendulum Skid Tester with Slider 96 (4S) rubber. Reported Uncertainty for	testing device: 1.5 BPN
	Testing Instrument W1- Serial #: SK1105	

TESTING SPECIMEN DESCRIPTION, SIZE, COLOUR, TYPE, & COATING (if applicable)

- 1x Summit Granite, Dark Grey, Vinyl Plank, Sample Size 23x30cm
- 2. 1x Summit Granite, Dark Grey, Vinyl Plank, Sample Size 23x30cm
- 3. 1x Summit Granite, Dark Grey, Vinyl Plank, Sample Size 23x30cm
- 4. 1x Summit Granite, Dark Grey, Vinyl Plank, Sample Size 23x30cm
- (4 x samples tested in 5 x locations)

Surface Condition:	Smooth	Cleaning:	Tested as received
Fixed/ Unfixed:	Unfixed	Rz Mean:	n/a
Environmental Conditions:	Air conditioning	Air Temp:	23 Deg.C
Direction of Test:	As indicated on underside of sample	Slope:	n/a

AS 4586-2013	INTERPRETATION OF THE WET PENDULUM RESULTS			
	Classification	Pendulum mean BPN Slider 96 (4S) rubber		
ſ	Р5	>54		
	Ρ4	45-54		
	РЗ	35-44		
	P2	25-34		
	P1	12-24		
	РО	<12		
TEST RESULTS (SRV)				

TE

#1 Result:	33 BPN	Slider condition (P400):	83 BPN
#2 Result:	35 BPN	Slider condition (Lapping):	61 BPN
#3 Result:	36 BPN	Temperature adjustment:	N/A
#4 Result:	33 BPN	Carpet surface tested dry:	N/A
#5 Result:	36 BPN		

CLASSIFICATION

CLASSIFICATION	SRV- PENDULUM MEAN BPN (Slider 96)
P3	35

The mean results of the five specimens is reported (rounded to nearest whole number)

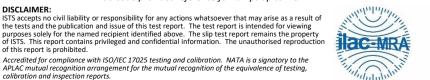
^ An individual result both below the result classification and below the mean result minus 20% shall be considered of lower classification

Maximum Slope Design Value (when dry):	N/A
Maximum Slope Design Value (when wet):	N/A

^NCC Code provides reference for ramps up to 1:8



of this report is prohibited.





Signatory: Mick Walton

Accredited for compliance with ISO/IEC 17025 testing and calibration. NATA is a signatory to the APLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

Testing was carried out using the Wet Pendulum Test Method in accordance with Australian Standard AS 4586-2013 Appendix A



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TEST PRODUCT IMAGE

💭 +61 (0) 411 600 733 |

Product Description: Summit Granite, Dark Grey, Vinyl Plank, 23x30cm

Test Date: 13-09-2023







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END OF TEST REPORT

Have a successful day!





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WET TEST RESULTS INTERPRETATION GUIDE (Part 1)- NATIONAL CONSTRUCTION CODE (AUSTRALIAN STANDARD)- Appendix A

		INTERPRETING WET TEST RESULTS		
How to	o interpret y	our wet test report		
	Wet test res	ults offer six possible outcomes- classification 'P0', 'P1', 'P2', 'P3', 'P4' or 'P5'.		С
	The classification	ation 'P0' reflects a lesser slip resistant surface, while 'P5' classification reflects the gre 1.	atest slip resistance	
		o parts to this interpretation guide- Firstly the 'National Construction Code requirement oplications' recommendations.	ents', and secondly 'Other	
	For the 'Glob	al Product Classification' test results refer additional #Note below.		
Step 1.		t location described in the left side column of your report, and the corresponding test ted in the far right side column)	result 'P' classification	
Step 2.		erpretation guide, identify the most appropriately related location description descril ABLE 3B' (Part 2) . Note the 'P' classification listed to the right of this description.	oed in either 'TABLE 3A'	
Step 3.		sult classification listed meets (or exceeds) the related 'P' classification from 'TABLE 3/ seting the relevant requirement.	A' or 'TABLE 3B', the test	For test resu
#Note.		roduct Classification' test reports the 'TABLE 3A' or 'TABLE 3B' descriptions assist in id r various applications.	entifying the product's	While ISTS is
* TAE	BLE 3A	NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFIC/ Minimum wet pendulum test result classifications to meet	ATIONS	-
* TAB	BLE 3A		ATIONS	Acid Coatings
* TAE	BLE 3A	Minimum wet pendulum test result classifications to meet	ATIONS Classification	Acid Coatings Surfac
		Minimum wet pendulum test result classifications to meet National Construction Code requirements.		Acid Coatings Surfac Surface ro An intern
Stair Tr	reads and St	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location		Cleaning Acid Coatings Surface Surface re An intern recommends
Stair Tr 1. Stair	reads and St	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2	Classification	Acid Coatings Surfac Surface ro An intern
Stair Tr 1. Stair 2. Stair	reads and St r treads and a r treads and a	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry)	Classification	Acid Coatings Surfac Surface ro An intern
Stair Tr 1. Stair 2. Stair Nosing:	reads and St r treads and a r treads and a s for Stair Tr	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry) stairway landing (when wet)	Classification	Acid Coatings Surfac Surface ro An intern
Stair Tr 1. Stair 2. Stair Nosing 1. Dry	reads and St r treads and a r treads and a s for Stair Tr stair tread, a s	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry) stairway landing (when wet) reads and Landings in Buildings - Covered by NCC Volumes 1 - 2	Classification P3 P4	Acid Coatings Surfac Surface ru An intern recommends
Stair Tr 1. Stair 2. Stair Nosing: 1. Dry: 2. Wet	reads and St r treads and a r treads and a s for Stair Tr stair tread, a s s stair tread, a	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry) stairway landing (when wet) reads and Landings in Buildings - Covered by NCC Volumes 1 - 2 stair non-skid nosing strip and a stairway landing	Classification P3 P4 P3	Acid Coatings Surfac Surface ro An intern
Stair Tr 1. Stair 2. Stair Nosing: 1. Dry : 2. Wet Ramps	reads and St r treads and a r treads and a s for Stair Tr stair tread, a s stair tread, a in Buildings	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry) stairway landing (when wet) eads and Landings in Buildings - Covered by NCC Volumes 1 - 2 stair non-skid nosing strip and a stairway landing stair non-skid nosing strip and a stairway landing	Classification P3 P4 P3	Acid Coatings Surfac Surface ru An intern recommends References *Table 3A- HB
Stair Tr 1. Stair 2. Stair Nosing: 1. Dry : 2. Wet Ramps 1. Ram 2. Ram	reads and St r treads and a r treads and a s for Stair Tr stair tread, a s stair tread, a in Buildings aps not steepe aps not steepe	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry) stairway landing (when wet) eads and Landings in Buildings - Covered by NCC Volumes 1 - 2 stair non-skid nosing strip and a stairway landing stair non-skid nosing strip and a stairway landing stair non-skid nosing strip and a stairway landing tair non-skid nosing strip and a stairway landing tair non-skid nosing strip and a stairway landing - Covered by NCC Volumes 1 - 2 rr than 1:14 (4.1 degrees) gradient (when dry) r than 1:14 (4.1 degrees) gradient (when wet)	Classification P3 P4 P3 P4	Acid Coatings Surface re An intern recommends References *Table 3A- HB Australia Limit
Stair Tr 1. Stair 2. Stair Nosing: 1. Dry : 2. Wet Ramps 1. Ram 2. Ram 3. Ram	reads and St r treads and a r treads and a s for Stair Tr stair tread, a s tair tread, a in Buildings aps not steepe aps not steepe aps steeper th	Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 stairway landing (when dry) stairway landing (when wet) reads and Landings in Buildings - Covered by NCC Volumes 1 - 2 stair non-skid nosing strip and a stairway landing stair non-skid nosing strip and a stairway landing - Covered by NCC Volumes 1 - 2 r than 1:14 (4.1 degrees) gradient (when dry)	Classification P3 P4 P3 P4 P3 P4 P3 P4	Acid Coatings Surface ro An interm recommends References *Table 3A- HB Australia Limi

	Pendulum* mean BPN		
CLASSIFICATION	Slider 96 (Four S rubber)	Slider 55 (TRL rubber)	
P5	>54	>44	
P4	45-54	40-44	
P3	35-44	35-39	
P2	25-34	20-34	
P1	12-24	< 20	
PO	<12	-	

*TABLE 2 Classification of Pedestrian Surface Materials according to the AS 4586-2013 wet pendulum test

TREATMENT OPTIONS

ts that achieve a result below recommendations, the following treatment options are available to increase slip resistance and Reduce Your Risk!

olely an audit service, following is a short list of common types of treatments we see our clients using to improve the slip resistance of various pedestrian surface materials.

Cleaning procedures	Minimising detergent residue build up or other contaminants.
Acid etching	Increasing surface texture.
Coatings and sealers	Surface coatings and penetrative types.
Surface texture	Coatings, etchants, sandblasting, shot blasting, etc.
Surface replacement	May be the most cost effective option in some instances.

t search for 'flooring treatments' will identify surface treatment professionals in your local area. ISTS courcing a number of detailed proposals when considering treatments, outlining expected slip resistance improvements, visual changes, clean ability and life expectancy.

ADDITIONAL NOTES & REFERENCES

98:2014 "Guide to the specification and testing of slip resistance of pedestrian surfaces" Standards d 2014.

86-2013 "Slip resistance classification of new pedestrian surface materials".

nb. The information provided is intended as a guide only, consult the referenced blications for further information in regards to measurement results and recommendations.



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WET TEST RESULTS INTERPRETATION GUIDE (Part 2)- OTHER APPLICATIONS...NON NCC (AUSTRALIAN STANDARD)- Appendix B

* TABLE 3B	Minimum wet pendulum test result classifications for other applications where	the NCC does not apply.	*TABLE 2 Classif	fication of Pedestrian Surface Materials a AS 4586-2013 wet pendulum test	ccording to the	
	Lession	Closeification	Classification Pendulum* mean BPN			
	Location	Classification	Classification	Slider 96 (Four S rubber)	Slider 55 (TRL rubber)	
External Pavem	ents and Ramps		P5	>54	>44	
1. External ramps in	cluding sloping driveways, footpaths etc. steeper than 1 in 14 (4.1 $^{\circ}$)	P5	P4	45-54	40-44	
2. External ramps in	cluding sloping driveways, footpaths, etc., under 1:14 (4.1 ⁰), external sales areas	P4	P3	35-44	35-39	
(eg. markets), ext	ernal car park areas, external colonnades, walkways, pedestrian crossings,		P2	25-34	20-34	
balconies, verand	as, carports, driveways, courtyards and roof decks		P1	12-24	< 20	
3. Undercover car pa	arks	P3	PO	<12		
	Public Buildings, Schools and Kindergartens					
1. Entries and access	s areas including Wet c	area P3		P1 (see Note 3)		
hotels, offices, pu	blic buildings, schools, kindergartens, Transitional c	nrea P2		F1 (See Note 3)		
internal lift lobbie	es and common areas of public buildings Dry c	P1 (see Note 3)	Note 3.			
2. Toilet facilities in	offices, hotels and shopping centres	P3	- Note S.			
3. Hotel apartment b	pathrooms, ensuites and toilets	P2	The minimum classification listed in Table 3B is P1. It is inappropriate for Table 3B to list the lower classification, P0, since there is no lower limit on Classification P0.			
4. Hotel apartment	kitchens and laundries	P2				
Loading Docks,	Commercial Kitchens, Cold Stores, Serving Areas					
1. Loading docks und	der cover and commercial kitchens	P5		Notwithstanding, some smooth and polished floor surfaces, which do not achieve Classification P1, may be		
2. Serving areas beh	ind bars in public hotels and clubs, cold stores and freezers	P4	considered to provide a safe walking environment for normal pedestrians walking at a moderate pace, provided the surface is kept clean and dry; however, should these surfaces become contaminated by either			
Supermarkets a	and Shopping Centres			pedestrians in any other manner, the		
1. Fast food outlets,	buffet food servery areas, food courts and fast food dining areas in shopping centr	res P3		Therefore, the type of maintenance, the in-service inspection of floors, other environmental conditions and		
2. Shop and superm	arket fresh fruit and vegetables area	P3	use should be taken into account when selecting such products.			
3. Shop entry areas	with external entrances	Р3				
4. Supermarket aisle	es (except fresh food areas)	P1 (see Note 3)				
5. Other separate sh	ops inside shopping centres - wet	Р3		DDITIONAL NOTES & REFERENCE	c	
6. Other separate sh	ops inside shopping centres - dry	P1 (see Note 3)	A	DDITIONAL NOTES & REFERENCE	5	
Swimming Pool	ls and Sporting Facilities					
1. Swimming pool ra	mps and stairs leading to water	P5	References			
2. Swimming pool su	irrounds and communal shower rooms	P4	*Table 3B- HB198:2014 "Guide to the specification and testing of slip resistance of pedestrian surfaces" Standards Australia Limited 2014.			
3. Communal changi	ing rooms	Р3				
4. Undercover conco	purse areas of sports stadiums	РЗ	*Table 2- AS 4586-2013 "Slip resistance classification of new pedestrian surface materials".		terials".	
Hospitals and A	ged Care Facilities		11			
1. Bathrooms and er	nsuites in hospitals and aged care facilities	P3	-	n provided is intended as a guide only, cons formation in regards to measurement result		
-	aratin hospitaband aged care facilities	P2	publications for further my		s and recommendations.	



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DRY TEST RESULTS INTERPRETATION GUIDE (AUSTRALIAN STANDARD)-

Appendix C

INTERPRETING DRY TEST RESULTS		*TABLE 3 Cla	*TABLE 3 Classification of Pedestrian Surface Materials according to the AS 4586-2013 dry floor friction test		
How to	interpret your dry test report		,		
	Dry test results offer two possible outcomes- classification 'D0' or classification 'D1'.	Classification	Result	Test Result Mean Value	
	The classification 'D0' reflects a less slip resistant surface, while the recommended 'D1' classification reflects a greater slip	(AS 4586-2	2013)	(COF)	
	resistant surface.	D1		≥ 0.40	
Step 1.	Note the test location described in the left side column of your report, and the corresponding test result classification achieved (listed in the far right side column).	on D0 < 0.40		< 0.40	
Step 2.	If the test result classification listed is 'D1', the test surface is meeting the relevant recommendations.		TREATMEN	T OPTIONS	
FREQUENTLY ASKED QUESTIONS		1	to increase slip resistand	dations, the following treatment options are available and Reduce Your Risk!	
<i>1.</i> The	mean test average is \geq 0.40, however the result is 'D0' classification ?			us pedestrian surface materials	
A	. The mean of the test results should be equal to or greater than 0.40 and each individual result should be equal to or greater than 0.35. If either of this criteria is not met, the lot shall be considered to be 'D0' classification.	Cleaning procedures	Minimising detergen Increasing surface te	t residue build up or other contaminants. xture.	
2. Wha	at does * and ** mean?	Coatings and sealers	Surface coatings and		
A	. * Indicates part of a test run registered under 0.40.	Surface texture	0	andblasting, shot blasting, etc.	
	** Indicates part of a test run registered less than 0.35 resulting in a compulsory 'D0' classification.	Surface replacement	May be the most cos	t effective option in some instances.	
3. Why	y are test results rounded to the nearest 0.05?	An internet search for 'floorin	a treatments' will identify	surface treatment professionals in your local area - ISTS	
A	. As described in the relevant standards, the mean result of Test 1 & Test 2 is rounded to nearest 0.05.		An internet search for 'flooring treatments' will identify surface treatment professionals in your local area. ISTS recommends sourcing a number of detailed proposals when considering treatments, outlining expected slip resistant		
4. Wha	at is the classification requirement for particular locations as stated in publication #HB198:2014?	impro	ovements, visual changes, c	lean ability and life expectancy.	
Α.	. The Australian testing standards provide classification criteria for dry test results. Handbook HB198 does not provide interpretation of dry test results.	le			
5. How	v about dry testing for external areas?		ADDITIONAL NOT	ES & REFERENCES	
A	. Dry slip resistance measurement does not apply to external surfaces. If a pedestrian surface is likely to become wet ar remain wet for any significant period of time, wet pendulum testing is the appropriate test method.	d References			
<i>6.</i> How	v do I improve the slip resistance of a surface currently achieving 'D0' classification?	*Table 3- AS 4586-2013 "Slip resi	stance classification of nev	/ pedestrian surface materials".	
A.	. Many treatments and procedures are available to improve slip resistance. Treatment options will vary depending on the type of surface and whether a sealed or unsealed finish is required. Described on the right are a list of options to improve slip resistance and Reduce Your Risk!	nb. The inform	nation provided is intended	resistance of pedestrian surfaces". I as a guide only, consult the referenced o measurement results and recommendations.	