

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: Skudo Group of Companies

Product Description:
Skudo Construction Mats, Safety Mat, Orange,
20x20cm
Test Date:
25-06-2018





Testing Instrument Serial #: SK1105 (W1)

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

- 1. 1x Skudo Construction Mats, Safety Mat, Orange, Coating, Sample Size 20x20cm
- 2. 1x Skudo Construction Mats, Safety Mat, Orange, Coating, Sample Size 20x20cm
- 3. 1x Skudo Construction Mats, Safety Mat, Orange, Coating, Sample Size 20x20cm
- 4. 1x Skudo Construction Mats, Safety Mat, Orange, Coating, Sample Size 20x20cm
- 1x Skudo Construction Mats, Safety Mat, Orange, Coating, Sample Size 20x20cm

Surface Condition:	Fine Textured	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

S 4586-2013	INTERPRETATION OF TH	IE WET PENDULUM RESULTS
	Classification	Pendulum mean BPN (4S rubber)
	Р5	>54
	P4	45-54
	РЗ	35-44
	P2	25-34
	P1	12-24
	PO	<12

TEST RESULTS

Specimen	#1 Result:	62 BPN	Slider condition (P400):	84 BPN	
	#2 Result:	60 BPN	Slider condition (Lapping):	63 BPN	
	#3 Result:	60 BPN	Temperature adjustment:	n/a	
	#4 Result:	60 BPN			
kudo Construc	#5 Result:	64 BPN			

CLASSIFICATION

Signatory: Mick Walton

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CLASSIFICATION	PENDULUM MEAN BPN (4S rubber)
Р5	61

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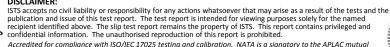
The mean results of the five specimens is reported (rounded to nearest whole number)

^ 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):	9.5 deg.
Maximum Slope Design Value (when wet):	4 deg.

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

DISCLAIMER:



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

NATA Accreditation #14967

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



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WET TEST RESULTS INTERPRETATION GUIDE (Part 1)- NATIONAL CONSTRUCTION CODE (AUSTRALIA)

		INTERPRETING WET TEST RESULTS		*T/
How to	interpret y	our wet test report		1
	Wet test re	sults offer six possible outcomes- classification 'P0', 'P1', 'P2', 'P3', 'P4' or 'P5'.		CLASSIFICA
		ation 'P0' reflects a lesser slip resistant surface, while 'P5' classification reflects the greater	atest slip resistance	
	classificatio			P5
		wo parts to this interpretation guide- Firstly the 'National Construction Code requireme pplications' recommendations.	nts', and secondly 'Other	P4 P3
		bal Product Classification' test results refer additional #Note below.		P2
Step 1.		st location described in the left side column of your report, and the corresponding test sted in the far right side column)	result 'P' classification	P1 P0
Step 2.		terpretation guide, identify the most appropriately related location description describ TABLE 3B' (Part 2) . Note the 'P' classification listed to the right of this description.	ed in either 'TABLE 3A'	
Step 3.	1x Skudo C	onstruction Mats, Safety Mat, Orange, Coating, Sample Size 20x20cm		For test results that ad
#Note.		Product Classification' test reports the 'TABLE 3A' or 'TABLE 3B' descriptions assist in ide or various applications.	entifying the product's	While ISTS is solely an a
* = • 0			ATIONS	
* TAB	BLE 3A		ATIONS	Acid etching Coatings and seale
* TAB		NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFICA Minimum wet pendulum test result classifications to meet	ATIONS	Cleaning procedur Acid etching Coatings and seale Surface texture Surface replaceme
	BLE 3A	NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFICA Minimum wet pendulum test result classifications to meet National Construction Code requirements.		Acid etching Coatings and seale Surface texture Surface replaceme An internet search f
Stair Tro	BLE 3A eads and St	NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFICA Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location		Acid etching Coatings and seale Surface texture Surface replaceme
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Stair Tro 1. Stair 2. Stair Nosings 1. Dry s 2. Wet Ramps	BLE 3A eads and St treads and a treads and a s for Stair T stair tread, a stair tread, a in Buildings	NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFICA Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 estairway landing (when dry) estairway landing (when wet) reads and Landings in Buildings - Covered by NCC Volumes 1 - 2 stair non-skid nosing strip and a stairway landing estair non-skid nosing strip and a stairway landing	P3 P4 P3	Acid etching Coatings and seale Surface texture Surface replaceme An internet search f recommends sourcing of References *Table 3A- HB198:2014 "
Stair Tro 1. Stair 2. Stair Nosings 1. Dry s 2. Wet Ramps 1. Ram	BLE 3A eads and St treads and a treads and a s for Stair T stair tread, a stair tread, a stair tread, a ps not steep	NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFICA 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 stair non-skid nosing strip and a stairway landing stair non-skid nosing strip and a stairway landing a - Covered by NCC Volumes 1 - 2	Classification P3 P4 P3 P4	Acid etching Coatings and seale Surface texture Surface replaceme An internet search f recommends sourcing of References *Table 3A- HB198:2014 " Australia Limited 2014. *Table 2- AS 4586-2013 "
Stair Tro 1. Stair 2. Stair Nosings 1. Dry s 2. Wet Ramps 1. Ram 2. Ram 3. Ram	eads and St treads and a treads and a treads and a stair tread, a	NATIONAL CONSTRUCTION CODE COMPLIANCE CLASSIFICA Minimum wet pendulum test result classifications to meet National Construction Code requirements. Location airway Landings in Buildings - Covered by NCC Volumes 1 - 2 estairway 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 estair 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 a - Covered by NCC Volumes 1 - 2 er than 1:14 (4.1 degrees) gradient (when dry)	Classification P3 P4 P3 P4 P3 P4 P3 P4 P3 P4	Acid etching Coatings and seale Surface texture Surface replaceme An internet search f recommends sourcing of References *Table 3A- HB198:2014 " Australia Limited 2014.

*TABLE 2 Classifica	tion of Pedestrian Surface Materials a	according to the
	AS 4586-2013 wet pendulum test	
	Pendulum*	* mean BPN
CLASSIFICATION	Four S rubbor (Slidor 96)	TPL rubbor (Slidor

CLASSIFICATION	Four S rubber (Slider 96)	TRL rubber (Slider 55)
Р5	>54	>44
P4	45-54	40-44
Р3	35-44	35-39
P2	25-34	20-34
P1	12-24	< 20
P0	<12	-

TREATMENT OPTIONS

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

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.

for 'flooring treatments' will identify surface treatment professionals in your local area. ISTS a number of detailed proposals when considering treatments, outlining expected slip resistance improvements, visual changes, clean ability and life expectancy.

ADDITIONAL NOTES & REFERENCES

"Guide to the specification and testing of slip resistance of pedestrian surfaces" Standards

"Slip resistance classification of new pedestrian surface materials".

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

Form #:17.3. Revision Date 04-11-2017



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GLOBAL PRODUCT CLASSIFICATION

WET TEST RESULTS INTERPRETATION GUIDE (Part 2)- OTHER APPLICATIONS...NON NCC (AUSTRALIA)

*	TABLE 3B	Minimum wet pendulum test result classifications for other applications where the Ne	CC does not apply.
		Location	Classification
	External Pavem	ents and Ramps	
1.	External ramps in	cluding sloping driveways, footpaths etc. steeper than 1 in 14 (4.1 ⁰)	P5
2.	External ramps in	cluding sloping driveways, footpaths, etc., under 1:14 (4.1^0), external sales areas	P4
	(eg. markets), ext	ernal car park areas, external colonnades, walkways, pedestrian crossings,	
	balconies, verand	as, carports, driveways, courtyards and roof decks	
3.	Undercover car pa	arks	Р3
	Hotels, Offices,	Public Buildings, Schools and Kindergartens	
1.	Entries and access	s areas including Wet area	Р3
	hotels, offices, pu	1x Skudo Construction Mats, Safety Mat, Orange, Coating, Sample S Transitional area	P2
	internal lift lobbie	es and common areas of public buildings Dry area	P1 (see Note 3)
2.	Toilet facilities in	offices, hotels and shopping centres	Р3
3.	Hotel apartment I	bathrooms, ensuites and toilets	P2
4.	Hotel apartment l	kitchens and laundries	P2
	Loading Docks,	Commercial Kitchens, Cold Stores, Serving Areas	
1.	Loading docks und	der cover and commercial kitchens	P5
2.	Serving areas beh	ind bars in public hotels and clubs, cold stores and freezers	P4
	Supermarkets a	and Shopping Centres	
1.	Fast food outlets,	buffet food servery areas, food courts and fast food dining areas in shopping centres	Р3
2.	Shop and superm	arket fresh fruit and vegetables area	P3
3.	Shop entry areas	with external entrances	P3
4.	Supermarket aisle	es (except fresh food areas)	P1 (see Note 3)
5.	Other separate sh	ops inside shopping centres - wet	Р3
6.	Other separate sh	ops inside shopping centres - dry	P1 (see Note 3)
	Swimming Pool	Is and Sporting Facilities	
1.	Swimming pool ra	amps and stairs leading to water	P5
2.	Swimming pool su	urrounds and communal shower rooms	P4
з.	Communal chang	ing rooms	P3
4.	Undercover conco	purse areas of sports stadiums	Р3
	Hospitals and A	ged Care Facilities	
1.	Bathrooms and er	nsuites in hospitals and aged care facilities	Р3
2.	Wards and corride	ors in hospital and aged care facilities	P2

*TABLE 2 Classification of Pedestrian Surface Materials according to the AS 4586-2013 wet pendulum test				
	Pendulum*	* mean BPN		
Classification	Four S rubber (Slider 96)	TRL rubber (Slider 55)		
Р5	>54	>44		
P4	45-54	40-44		
P3	35-44	35-39		
P2	25-34	20-34		
P1	12-24	< 20		
PO	<12	-		

*TABLE 3 Classification of Dedestrian Surface Materials according to

			- 1
P1 (see	Note	3

Note 3.

The minimum classification listed in Table 3B is P1. It is inappropriate for Table 3B to list the lower classification, PO, since there is no lower limit on Classification PO.

Notwithstanding, some smooth and polished floor surfaces, which do not achieve Classification P1, may be 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 wet or dry materials, or be used by pedestrians in any other manner, then they may become unsafe. Therefore, the type of maintenance, the in-service inspection of floors, other environmental conditions and use should be taken into account when selecting such products.

ADDITIONAL NOTES & REFERENCES

References

*Table 3B- HB198:2014 "Guide to the specification and testing of slip resistance of pedestrian surfaces" Standards Australia Limited 2014

*Table 2- AS 4586-2013 "Slip resistance classification of new pedestrian surface materials".

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

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TEST PRODUCT IMAGE

Product Description: Skudo Construction Mats , Safety mat ,Orange, coating , 20x20cm Test Date: 25-06-2018

