

TEST REPORT

CLIENT NAME : JONITE PRIVATE LIMITED

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PROJECT CODE : PT02061

PROJECT TITLE : GENERAL TESTING

**TEST SUBJECTS/
STANDARDS** : *SLIP RESISTANCE - OIL WET RAMP : SS:485 ANNEX D
TEST METHOD

JOB REF. : T22-11740

CLIENT SAMPLE REF. : 20 PIECES OF 125 X 200 MM TILES

DATE RECEIVED : 01-Jun-2022

DATE OF REPORT : 10-Jun-2022

TOTAL PAGES : 4 (INCLUDING COVER PAGE)

REMARK : *TEST WAS CONDUCTED BY SETSCO SERVICE PTE LTD.
REPORT NO.: BP-8500214771

TEST REPORT

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Your Ref: PO No: POA-007373-V1
Dated: 02/06/22

Our Ref: BP-8500214771/EC

Date: 08/06/2022

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Subject : Testing of Tiles, submitted by Admaterials Technologies Pte Ltd on 03/06/2022.

Tested For : **Admaterials Technologies Pte Ltd**
58 Sungei Kadut Loop
Singapore 729501
Attn: Mr Chong Kent Khee

Method of Test : Oil-Wet Ramp Test - SS 485: 2011 (Annex D)

Specification : SS 485: 2011 - Specification for slip resistance classification of pedestrian surface materials

Sample Reference : The details as furnished by client are as follows:
Material: Tiles
Ref: T22 - 11740

Description of Sample : 20 pieces of tiles were received.
Nominal size: 200 x 125mm
(See photograph attached)

Results : The samples tested meet the criteria stated in SS 485:2011 for the test listed above.
The statement of conformity is based on the decision rule of Simple Acceptance.
Refer to results on page 2.



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Results:
Oil-Wet Ramp Test (Slip Resistance By Inclined Platform)

Sample Reference	200 x 125mm, Tiles, Ref: T22 - 11740							
Date of Test	08/06/2022							
Surface Structure	Rough							
Test Temperature	23°C							
Test No.	First Person				Second Person			
	1	2	3	Ave.	1	2	3	Ave.
Readings and Average (°)	15.7	15.9	16.1	15.9	16.2	16.3	16.4	16.3
Correction Value (°)	1.0				-1.0			
Corrected Angle (°)	16.9				15.3			
Average of Corrected Angle (°)	16.1							
Classification	R10							

Note: 1) Refer to Appendix A for classification
2) Test location: SETSCO Services Pte Ltd



Joshua Koon
Testing Officer



Eric Chuo
Engineer (PCTD)
Construction Technology Division



**Photograph showing 200 x 125mm, Tiles, Ref: T22 – 11740
as received on 03/06/2022.**

APPENDIX A

Classification Extracted From SS 485: 2011

Table 1: Classification of pedestrian surface materials according to the oil wet ramp test

Classification	Angle (Degrees)
R9	6 up to less than 10
R10	10 up to less than 19
R11	19 up to less than 27
R12	27 up to less than 35
R13	≥ 35

Selection of pedestrian surface materials

It should be noted that compliance with the recommendations of this appendix will not necessarily alleviate all hazards. However, it will reduce certain pedestrian risks.

Other design considerations include the amount and type of expected traffic (vehicles, trolleys, people hurrying, elderly, disabled people with or without walking aids, and children); the product characteristics (wear resistance and cleanability) and the consequences of exposure to the types of contamination minimization); management policy and maintenance practices (types of cleaning equipment, frequency and effectiveness of cleaning); compliance with occupational, health and safety requirements; special provisions for slip hazards (guards and handrails); and alternative information sources (use of contrasting colours and warning signs).

Table 2: Pedestrian flooring selection guide – minimum pendulum or ramp recommendation for specific locations

Location	Pendulum	Ramp
External colonnade, walkways and pedestrian crossings	W	R10
External ramps	V	R11
Entry foyers hotel, office, public buildings - wet	X	R10
Entry foyers hotel, office, public buildings - dry	Z	R9
Shopping centre excluding food court	Z	R9
Internal ramps, slopes (greater than 2 degrees) - dry	X	R10
Lift lobbies other than entry foyers	Z	R9
Other shops with external entrances - entry area	X	R10
Food outlets including fast food outlets, buffet food servery areas	X	R10
Hospitals and aged care facilities - dry areas	Z	R9
Hospitals and aged care facilities - ensuite	X	A or R10
Shop and supermarket aisles except fresh food areas	Z	R9
Shop and supermarket fresh food areas	X	R10
Communal changing rooms	X	A
Swimming pool surrounds and communal shower rooms	W	B
Swimming pool ramps and stairs leading into water	V	C
Toilet facilities in offices, hotels, shopping centres	X	R10
Undercover concourse areas of sports stadium	X	R10
Accessible internal stair nosings (dry) - handrails present	X	R10
Accessible internal stair nosings (wet) - handrails present	W	B or R11
External stair nosings	W	R11

Note 1 - Appropriate measures need to be taken to exclude casual water from dry areas.

Note 2 - All floors with a wet pendulum classification of Z should have a dry floor friction of F unless normal usage dictates that the floor should have a low dry coefficient of friction, e.g dance floors


