

TEST REPORT

CLIENT NAME : JONITE PRIVATE LIMITED
ADDRESS : 5 UPPER ALJUNIED LINK
#01-01 QUARTZ INDUSTRIAL BUILDING
SINGAPORE 367903

ATTENTION TO : MR LEXTER CHEN
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ACCOUNT : JONITE PRIVATE LIMITED
CHARGEABLE TO

PROJECT CODE : PT02061
PROJECT TITLE : GENERAL TESTING

TEST SUBJECTS :
1. SLIP RESISTANCE BY WET PENDULUM TEST METHOD (SS 485: 2011)
2. SLIP RESISTANCE BY DRY FLOOR FRICTION TEST METHOD (SS 485: 2011)

JOB REF. : T19-08971
CLIENT SAMPLE REF. : JONITE CHANNEL GRATE
SAMPLE DESCRIPTION : S1 CUT-SIZED
DATE RECEIVED : 21-May-2019
DATE OF REPORT : 20-Jun-2019
TOTAL PAGES : 3 (INCLUDING COVER PAGE)



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1. SLIP RESISTANCE BY WET PENDULUM TEST METHOD (SS 485: 2011)

Sample Ref: JONITE CHANNEL GRATE				Date of Test: 19-Jun-19			
Description: S1 CUT-SIZED							
Specimen ID	1st Swing	2nd Swing	3rd Swing	4th Swing	5th Swing	Mean Value (BPN)	Classification
SPECIMEN 1	74	73	73	72	73	73	-
SPECIMEN 2	75	75	74	74	73	74	
SPECIMEN 3	76	75	76	75	76	75	
SPECIMEN 4	75	73	76	74	74	74	
SPECIMEN 5	73	72	72	72	73	72	
Mean British Pendulum Number						73	V

CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO WET PENDULUM TEST

Classification	Wet Pendulum* Mean BPN	Contribution of the floor surface to the risk of slipping when wet
V	> 54	Very Low
W	45 to 54	Low
X	35 to 44	Moderate
Y	25 to 34	High
Z	< 25	Very High

* Four S rubber values

Remarks:

Location of Test: Laboratory

Temperature at Test: 23.6 °C

Humidity at Test: 61%

Mean BPN Value = Mean of 3rd, 4th and 5th swing

Type of Test (Fixed/ Unfixed): Unfixed

Extent & Type of Cleaning: -

Type of Rubber Used: Four S

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2. SLIP RESISTANCE BY DRY FLOOR FRICTION TEST METHOD (SS 485: 2011)

Sample Ref: JONITE CHANNEL GRATE					Date of Test: 19-Jun-19	
Tile Description: S1 CUT-SIZED						
Distance	Direction of Test	1st Test Run Reading of μ	Direction of Test	1st Test Run Reading of μ	Location of Test: Laboratory Type of Test (Fixed/Unfixed): Unfixed Extent & Type of Cleaning: - Temperature at Test: 24.6 °C Humidity at Test: 57%	
100	1	0.84	2	0.71		
200	1	0.81	2	0.76		
300	1	0.79	2	0.74		
400	1	0.76	2	0.73		
500	1	0.72	2	0.77		
600	1	0.70	2	0.72		
700	1	0.71	2	0.68		
800	1	0.69	2	0.68		
AVERAGE		0.75		0.70		
Mean Coefficient of Friction, μ :					0.7	
HDB'S BUILDING SPECIFICATIONS					minimum 0.4	

Classification	Floor Friction Tester Mean Value	Notional Contribution of Floor Surface to the Risk of Slipping When Dry
<i>F</i>	≥ 0.4	Moderate to very low
<i>G</i>	< 0.4	High to very high



Figure 1: Sample as received

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