



Client Ref. : —

Report No. : 241806ST240267

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REPORT ON INSITU THE DETERMINATION OF THE STATIC COEFFICIENT OF FRICTION FOR CERAMIC TILES AND OTHER FLOORING SURFACES

Information Supplied by Client

Client	: CAP Global Limited		
Project	: Testing of Flooring Material		
Location	: The Grand Aquarium, Waterfront Ocean Park		
Sample Description	: Floor Material (Blocksil NSFS AA Coating Surface)		
	- Brand : --	- Type	: --
	- Manufacturer : --	- Colour	: --
	- Country of Origin : --	- Serial No.	: --
	- Work Size : --	- Model No.	: --
	- Material : --	- Finish	: --

Laboratory Information

Lab. Sample I.D. : ST240267/1a-11
Date Sample Received : 20 June 2024
Date Tested : 20 June 2024
Test Method : ASTM C1028-07

Test Results

Determination of Calibration Factor

(using standard tile)

		Dry Pull Force (kgf)	Wet Pull Force (kgf)
Total Equipment Weight (inc. heel assembly) kg.		24.13	24.12
Pull No.	1	20.18	13.24
	2	20.13	13.34
	3	20.06	13.19
	4	20.26	13.18
Calibration Factor X_D =		0.02	Calibration Factor X_W = -0.04

Determination of Coefficient of Friction

Dry Condition

Sample ID. Pull No.	Before Cleaning (kgf)			After Cleaning (kgf)		
	ST240267/1a	ST240267/1b	ST240267/1c	ST240267/1d	ST240267/1e	ST240267/1f
1	18.62	20.15	20.98	20.80	18.92	18.65
2	19.59	21.38	21.65	19.55	20.90	20.07
3	19.51	20.61	22.47	20.69	21.40	21.99
4	19.77	21.26	20.84	21.02	19.95	20.83
Static Coefficient of Friction	As received = 0.87			After cleaning = 0.87		
	Average for dry condition = 0.87					

Wet Condition

Sample ID.		Static Coefficient of Friction (avg.)						
Pull No.		ST240267/1g	ST240267/1h	ST240267/1i	ST240267/1j	ST240267/1k	ST240267/1l	
Static Coefficient of Friction	1	17.53	18.04	18.26	19.59	18.62	18.69	
	2	18.42	18.70	20.38	19.69	19.27	20.16	
	3	19.69	20.19	19.48	20.75	20.14	19.26	
	4	19.03	20.40	20.69	20.04	19.68	20.21	
	As received =			0.76	After cleaning =			0.78
	Average for wet condition =			0.77				

Remarks :

- 1.) The test results relate only to the samples tested.
- 2.) The results apply to the sample as received.
- 3.) The test location and the test samples are shown in the photographs on page 2 of this report.

Checked by: L.T. Tard Date: 28 JUN 2024 Approved Signatory: [Signature] Date: 28 JUN 2024

~~Ng Shu Shing Chris~~

Assistant Manager (Product Testing Laboratory)

ST-R-47 (30/03/2016)


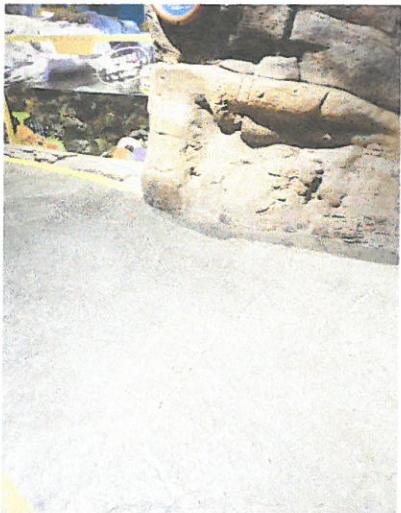
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<p>Test Location Sample I.D.: ST240267</p>	<p>Test Location Sample I.D.: ST240267</p>

	
<p>Test Sample Sample I.D.: ST240267</p>	<p>Test Sample Sample I.D.: ST240267</p>

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****End of Report****

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