

Determining the Static Coefficient of Friction of Ceramic Tile and
Other Like Surfaces by the Horizontal Dynamometer (Pull-Meter Method)
[ASTM C 1028 - 07]

Date of issue : 03 July 2014

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Castco LRN : CT0140626-1

Details as supplied by customer

Customer :

Customer's Ref. No. : --

Address : Room 1504, 15/F., Ricky Centre, 36 Chong Yip Street, Kwun Tong, Kowloon Contract No. : --

Job Title : --

Sample Description :-

Work Size : 200 mm (Length) x 200 mm (Width) x -- mm (Thickness)

Type : Floor Tile

Classification : --

Brand : --

Manufacturer : --

Laboratory test results

Date sample received : 26 June 2014

Date of test : 30 June 2014

Dry condition over as-received test surface

Specimen I.D.	1				2				3			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 12.99	12.35	11.58	12.23	12.48	12.61	12.74	12.33	12.79	12.17	11.57	12.29
Sum of force reading (RD)	(kg) 49.15				50.16				48.82			
Number of pulls (N)	4				4				4			
Dry calibration factor (XD)					0.26							
Static coefficient of friction (FD)	0.81				0.82				0.81			
FD=(RD/NW)+XD	(Average)				0.81							

Wet condition over as-received test surface

Specimen I.D.	1				2				3			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 7.21	6.59	6.82	6.92	6.39	6.51	6.24	6.47	7.27	6.83	6.30	6.90
Sum of force reading (Rw)	(kg) 27.54				25.61				27.30			
Number of pulls (N)	4				4				4			
Wet calibration factor (Xw)					0.06							
Static coefficient of friction (Fw)	0.37				0.35				0.37			
Fw=(Rw/NW)+Xw	(Average)				0.36							

Dry condition over after cleaning test surface

Specimen I.D.	1				2				3			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 11.16	11.27	11.34	11.29	11.28	11.32	11.09	11.21	11.94	11.46	12.01	11.43
Sum of force reading (RD)	(kg) 45.06				44.90				46.84			
Number of pulls (N)	4				4				4			
Wet calibration factor (XD)					0.26							
Static coefficient of friction (FD)	0.77				0.76				0.79			
FD=(RD/NW)+XD	(Average)				0.77							

Wet condition over after cleaning test surface

Specimen I.D.	1				2				3			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 6.35	6.17	6.26	6.38	6.29	6.25	6.41	6.17	6.45	6.62	6.19	6.84
Sum of force reading (Rw)	(kg) 25.16				25.12				26.10			
Number of pulls (N)	4				4				4			
Wet calibration factor (Xw)					0.06							
Static coefficient of friction (Fw)	0.34				0.34				0.35			
Fw=(Rw/NW)+Xw	(Average)				0.34							

Remark :

1. Test results relate only to the specimens tested.

Checked by :

CHEUNG CHUN PONG
Laboratory Supervisor

End of Report

Certified by :

WONG KA MAN
Laboratory Manager

Test Certificate

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Date of issue : 11 June 2014

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Castco LRN : CT0140526-2

Details as supplied by customer

Customer : Customer's Ref. No. : --
 Address : Room 1504, 15/F., Ricky Centre, 36 Chong Yip Street, Kwun Tong, Kowloon Contract No. : --
 Job Title : --
 Sample Description :-
 Work Size : 200 mm (Length) x 200 mm (Width) x 7 mm (Thickness)
 Type : Blocksil No Slip Floor Seal S (film only on tiles) Classification : --
 Brand : -- Manufacturer : --

Laboratory test results

Date sample received : 26 May 2014

Date of test : 27 May 2014

Dry condition over as-received test surface

Specimen I.D.	1B				2B				3B			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 16.84	16.79	17.10	16.83	16.49	16.54	16.72	16.93	16.58	16.86	16.90	16.71
Sum of force reading (RD)	(kg) 67.56				66.68				67.05			
Number of pulls (N)	4				4				4			
Dry calibration factor (XD)					0.26							
Static coefficient of friction (FD)	1.02				1.01				1.01			
FD=(RD/NW)+XD	(Average)				1.01							

Wet condition over as-received test surface

Specimen I.D.	1B				2B				3B			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 15.35	15.97	15.73	15.14	15.62	15.44	15.93	15.63	15.42	15.56	15.71	15.29
Sum of force reading (Rw)	(kg) 62.19				62.62				61.98			
Number of pulls (N)	4				4				4			
Wet calibration factor (Xw)					0.06							
Static coefficient of friction (Fw)	0.76				0.76				0.75			
Fw=(Rw/NW)+Xw	(Average)				0.76							

Dry condition over after cleaning test surface

Specimen I.D.	1B				2B				3B			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 16.39	16.52	16.60	16.48	16.49	16.67	16.71	16.59	16.48	16.32	16.90	16.74
Sum of force reading (RD)	(kg) 65.99				66.46				66.44			
Number of pulls (N)	4				4				4			
Wet calibration factor (XD)					0.26							
Static coefficient of friction (FD)	1.00				1.00				1.00			
FD=(RD/NW)+XD	(Average)				1.00							


Wet condition over after cleaning test surface

Specimen I.D.	1B				2B				3B			
Weight of heel assembly+22kg mass (W)	(kg) 22.304				22.304				22.304			
Force reading	(kg) 15.33	15.46	15.32	15.29	15.41	15.71	15.39	15.48	15.56	15.59	15.71	15.44
Sum of force reading (Rw)	(kg) 61.40				61.99				62.30			
Number of pulls (N)	4				4				4			
Wet calibration factor (Xw)					0.06							
Static coefficient of friction (Fw)	0.75				0.75				0.76			
Fw=(Rw/NW)+Xw	(Average)				0.75							

Remark :

1. Test results relate only to the specimens tested.

Checked by :


CHEUNG CHUN PONG
Laboratory Supervisor

End of Report

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WONG KA MAN
Laboratory Manager