

Client Ref. : -
 Report No. : 091116ST90720

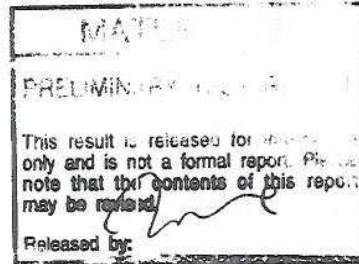
REPORT ON THE DETERMINATION OF THE STATIC COEFFICIENT OF FRICTION FOR CERAMIC TILES AND OTHER FLOORING SURFACES

Information Supplied by Client

Client : Far East Asia Engineering Limited
 Project : Testing of Stone
 Sample Description : Marmol Reconstituted Stone
 - Brand : Compac Marmol
 - Manufacturer : MARMOL COMPAC, S.A.
 - Country of Origin : Spain
 - Work Size : 600.00 x 600.00 x 20.00
 - Type : Marble Base
 - Colour : Grey Duero M207
 - Surface Finishing : ANTIDESLIZANTE

Laboratory Information

Lab. Sample I.D. : ST90720/2a-2f
 Date Sample Received : 10/11/2009
 Date Tested : 10/11/2009
 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.	24.17	24.17
Pull No. 1	20.08	10.12
2	20.23	9.45
3	20.27	9.75
4	20.53	8.80
Calibration Factor $X_D =$	0.02	Calibration Factor $X_W =$ 0.12

Determination of Coefficient of Friction

Dry Condition

Sample ID. Pull No.	Pull Force As Received (kgf)			Pull Force After Cleaning (kgf)		
	ST90720/2a	ST90720/2b	ST90720/2c	ST90720/2d	ST90720/2e	ST90720/2f
1	20.82	21.56	20.04	20.73	22.35	19.70
2	21.72	20.91	20.69	20.93	21.26	20.49
3	20.86	20.98	21.07	21.05	20.48	22.21
4	19.43	20.51	21.58	20.61	20.27	20.87
Static Coefficient of Friction	As received = 0.88			After cleaning = 0.89		
	Average for dry condition = 0.89					

Wet Condition

Sample ID. Pull No.	Pull Force As Received (kgf)			Pull Force After Cleaning (kgf)		
	ST90720/2a	ST90720/2b	ST90720/2c	ST90720/2d	ST90720/2e	ST90720/2f
1	17.33	17.13	17.45	16.26	15.65	16.61
2	15.93	15.84	17.42	17.79	17.14	15.75
3	17.59	17.83	16.12	16.37	17.00	16.13
4	17.26	16.98	16.95	16.11	16.41	15.89
Static Coefficient of Friction	As received = 0.82			After cleaning = 0.80		
	Average for wet condition = 0.81					

Remark : The test results relate only to the samples tested.

Checked by : _____ Date : _____ Certified by : _____ Date : _____

Chan Chun Wai Ivan
 Manager (Product Testing Laboratory)

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

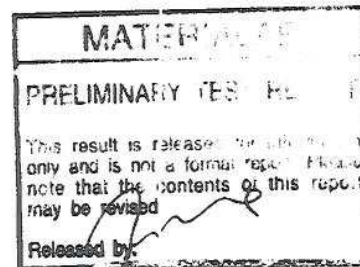
Information Supplied by Client

Client : Far East Asia Engineering Limited
 Project : Testing of Stone
 Sample Description : Marmol Reconstituted Stone
 - Brand : Compac Marmol
 - Manufacturer : MARMOL COMPAC, S.A.
 - Country of Origin : Spain
 - Work Size : 600.00 x 600.00 x 20.00

- Type : Marble Base
 - Colour : Melocoton Red M0811
 - Surface Finishing : ANTIDESLIZANTE

Laboratory Information

Lab. Sample I.D. : ST90720/1a-1f
 Date Sample Received : 10/11/2009
 Date Tested : 10/11/2009
 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.	24.17	24.17
Pull No. 1	20.08	10.12
2	20.23	9.45
3	20.27	9.75
4	20.53	8.80
Calibration Factor $X_D =$	0.02	Calibration Factor $X_W =$ 0.12

Determination of Coefficient of Friction

Dry Condition

Sample ID. Pull No.	Pull Force As Received (kgf)			Pull Force After Cleaning (kgf)		
	ST90720/1a	ST90720/1b	ST90720/1c	ST90720/1d	ST90720/1e	ST90720/1f
1	19.23	19.74	19.12	20.59	19.79	18.40
2	21.16	20.26	19.22	20.18	20.25	20.48
3	20.82	20.82	21.09	20.95	20.21	20.89
4	18.61	20.20	20.39	19.63	19.93	19.35
Static Coefficient of Friction	As received = 0.85			After cleaning = 0.85		
	Average for dry condition = 0.85					

Wet Condition

Sample ID. Pull No.	Pull Force As Received (kgf)			Pull Force After Cleaning (kgf)		
	ST90720/1a	ST90720/1b	ST90720/1c	ST90720/1d	ST90720/1e	ST90720/1f
1	16.18	16.83	17.38	15.95	16.53	15.79
2	16.72	16.30	17.37	16.35	17.14	15.87
3	17.54	16.51	16.27	16.30	16.91	15.40
4	16.35	17.09	17.07	17.16	16.93	16.52
Static Coefficient of Friction	As received = 0.82			After cleaning = 0.80		
	Average for wet condition = 0.81					

Remark : The test results relate only to the samples tested.

Checked by : _____ Date : _____ Certified by : _____ Date : _____

Chan Chun Wai Ivan
 Manager (Product Testing Laboratory)