Client Ref.

Report No.

: 091116ST90720

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

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| u | ed by Clien |

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

: Marble Base - Type - Colour : Grey Duero M207

Released by:

- Surface Finishing: ANTIDESLIZANTE

MATER

This result is released for the

only and is not a formal report. Ple and note that the contents of this report may be remained.

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)

Total Equipment Weight (inc. heel assembly) kg. Pull No.

2 3

4

| Dry Pull Force (kgf) | Wet Pull Force (kgf) |
|--|--|
| 24.17 | 24.17 |
| 20.08 | 10.12 |
| 20.23 | 9.45 |
| 20.27 | 9.75 |
| 20.53 | 8.80 |
| Calibration Factor X _D = 0.02 | Calibration Factor X _W = 0.12 |

Determination of Coefficient of Friction

3

| | - |
|---------------|----|
| Dry Condition | |
| Sample ID. | 0) |
| Pull No. | 1 |
| | 2 |

Pull Force After Cleaning (kgf) Pull Force As Received (kgf) ST90720/2a ST90720/2b ST90720/2c ST90720/2d ST90720/2e ST90720/2f 22.35 20.82 21.56 20.04 20.73 19.70 21.72 20.91 20.69 20.93 21.26 20.49 20.86 20.98 21.07 21.05 20.48 22.21 19.43 20.51 21.58 20.61 20.27 20.87 0.89 0.88 As received = After cleaning =

Static Coefficient of Friction

Average for dry condition = 0.89

Wet Condition Sample ID. Pull No.

1 2 3

| Pull Force As Received (kgf) | | | Pull Force After Cleaning (kgf) | | | |
|------------------------------|---------------|------------|---------------------------------|------------|------------|--|
| ST90720/2a | ST90720/2b | ST90720/2c | ST90720/2d | ST90720/2e | ST90720/2f | |
| 17.33 | 17.13 | 17.45 | 16.26 | 15.65 | 16.61 | |
| 15.93 | 15.84 | 17.42 | 17.79 | 17.14 | 15.75 | |
| 17.59 | 17.83 | 16.12 | 16.37 | 17.00 | 16.13 | |
| 17.26 | 16.98 | 16,95 | 16.11 | 16.41 | 15.89 | |
| As received = | | 0.82 | After cleaning | | 0.80 | |
| Average for we | t condition = | 0.81 | | | | |

Static Coefficient of Friction

Remark:

The test results relate only to the samples tested.

| Checked by : | Date: | Certified by : | Date: | |
|--------------|-------|----------------|-------------|--|
| | | | un Wai Ivan | |

Manager (Product Testing Laboratory)

: Marble Base

MATIER'

PRELIMINARY TES RE

only and is not a formal repunote that the contents of this report

This result is released to the

Pull Force After Cleaning (kgf)

ST90720/1e

16.53

17.14

16.91

16.93

ST90720/1d

15.95

16.35

16.30

17.16

After cleaning =

ST90720/1f

15.79

15.87

15.40

16.52

0.80

- Surface Finishing: ANTIDESLIZANTE

: Melocoton Red M0811

Client Ref.

Report No.

: 091116ST90720

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

| Information Sup | nlied 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

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)

Total Equipment Weight (inc. heel assembly) kg. Pull No. 1

2 3

A

| Dry Pull Force (kgf) | | Wet Pull Force (K | gr) |
|-------------------------------------|------|-------------------------------------|------|
| 24.17 | | 24.17 | |
| 20.08 | | 10.12 | |
| 20.23 | | 9.45 | |
| 20.27 | | 9.75 | |
| 20.53 | | 8.80 | |
| Calibration Factor X _D = | 0.02 | Calibration Factor X _W = | 0.12 |

- Туре

- Colour

Determination of Coefficient of Friction

| Dry Condition | | Pull Fo | orce As Receive | d (kgf) | Pull Fo | ning (kgf) | |
|--------------------|---|----------------|-----------------|------------|----------------|------------|------------|
| Sample ID. | | ST90720/1a | ST90720/1b | ST90720/1c | ST90720/1d | ST90720/1e | ST90720/1f |
| Pull No. | 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 | | As received = | | 0.85 | After cleaning | | 0.85 |
| of Friction | | Average for dr | condition = | 0.85 | | | |

Wet Condition

Sample ID.

Pull No. 2

17.38 16.83 16.18 16.72 16.30 17.37 17.54 16.51 16.27 3 17.07 16.35 17.09 0.82 As received = Average for wet condition = 0.81

Pull Force As Received (kgf)

ST90720/1b

of Friction Remark:

Static Coefficient

The test results relate only to the samples tested.

ST90720/1a

| Checked by : | Date : | Certified by | | Date : _ | |
|--------------|---------|--------------|--------------------|----------|--|
| onecked by | , 50.00 | • | Chan Chun Wai Ivan | | |

ST90720/1c

Manager (Product Testing Laboratory)