



# MT GROUP

NY Metropolitan Regional Office / Corporate Headquarters  
145 Sherwood Avenue, Farmingdale, NY 11735 (631) 815-1900 FAX (631) 815-1901  
www.materials-testing.com

Client: Telling Architectural Systems LLC  
68 Fox Run  
Cranston RI 02921

Report #: 11TA-001  
Lab #: 10702  
Date: 8/19/2001  
Work Order #: 185432

Project: Tiles  
Sample: Five ArGeTon Terracotta Tiles

Submitted For: Flexural Strength Test  
Procedure: ASTM C 880-09

### Reference

Sample Conditioning Dry, 48 hours at 60°C.

Span Length : 12.5

### Results

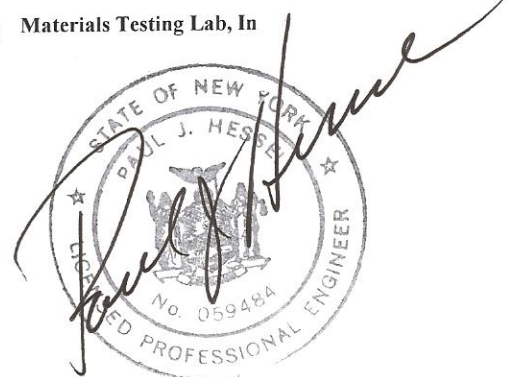
Sample #	Width in.	Depth in.	Maximum Load lbs	Flexural Strength psi
1	4.01	1.22	1470	2310
2	4.05	1.21	1430	2260
3	4.05	1.20	1470	2360
4	4.06	1.20	1590	2550
5	4.05	1.21	1490	2360

Average Flexural Strength, psi: 2370

**Reported To:** William Smith

**Submitted By:** Materials Testing Lab, Inc

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Client: Telling Architectural Systems LLC  
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Report #: 11TAS-003  
Lab #: 10702  
Date: 10/7/2011  
Work Order #: 188445

Sample: Five ArGeTon Terracotta Tiles  
Submitted For: Compressive Strength  
Procedure: ASTM C 67-09

## Results

Sample #	Compressive Strength psi
1	11400
2	13100
3	11900
4	12700
5	12100

Average Compressive Strength, psi: 12200

Reported To: Mike Wood

Submitted By: Materials Testing Lab, Inc.

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**Client:** Telling Architectural Systems LLC  
68 Fox Run  
Cranston RI 02921

**Report #:** 11TAS-003  
**Lab #** 10702  
**Date:** 10/4/2011  
**Work Order #:** 188033

**Submitted For:** ASTM C 67 - Freezing and Thawing

### Material Identification

ArGeTon Terracotta Tiles

### 1.) Freezing and Thawing

Procedure: The test was conducted in accordance with ASTM C 67 on five specimens.

The specimens were exposed to 25 cycles of freezing and thawing. Each cycle consisted of 20 hours (+/- 1h) of freezing in a chamber maintained at a setting that did not allow the temperature to exceed 16°F one hour after introducing the test specimens into the chamber, followed by 4 hours (+/-0.5 h) of thawing by totally submerging in water at 75°F (+/- 10°F)

### Results

Sample #	Initial Weight, g	Final Weight, g	Weight Loss %
1	552.5	552.2	0.05
2	557.0	556.8	0.04
3	531.1	530.9	0.04
4	536.9	535.1	0.34
5	528.3	527.8	0.09

Remarks : No cracks or breakage was observed in any of the 5 samples tested

**Reported To:** Mike Wood

**Submitted By:** Materials Testing Lab, Inc.

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**Client:** Telling Architectural Systems LLC  
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**Report #:** 11TAS-002  
**Lab #:** 10702  
**Date:** 9/12/2011  
**Work Order #:** 186593

**Project:** Tiles Argenton  
**Submitted For:** ASTM C 67 - Efflorescence

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## Material Identification

ArGeTon Terracotta Tiles

### 1.) Efflorescence

Procedure: ASTM C 67 , ten representative samples were taken from the submitted tiles and tested for efflorescence.

Rating : " not effloresced"

Reported To: Michael Wood

Submitted By: Materials Testing Lab, Inc.

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**Client:** Telling Architectural Systems LLC  
68 Fox Run  
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**Report #:** 11TAS-001  
**Lab #:** 10702  
**Date:** 8/19/2011  
**Work Order #:** 185432

**Project:** Tiles  
**Submitted For:** Material Evaluation

## Material Identification

ArGeTon Terracotta Tiles

### 1.) Absorption

Procedure: ASTM C 67 , five representative samples were taken from the submitted tiles.

### RESULTS:

Sample No.	1	2	3	4	5
Dry Weight, g	539.1	540.7	548.4	545.2	541.5
Saturated Weight, after 5 h submersion, g	562.5	564.7	572.7	568.9	565.1
Saturated Weight, after 24 h submersion, g	564.2	566.5	574.5	571.1	567.8
Cold Water Absorption, after 5 h submersion, %	4.3	4.4	4.4	4.3	4.4
Cold Water Absorption, after 24 h submersion, %	4.7	4.8	4.8	4.8	4.9
Saturated Weight after 5 h boiling in water, g	575.5	578.1	586.8	583.0	580.1
Boiling Water Absorption, after 5 h submersion, %	6.8	6.9	7.0	6.9	7.1
Saturation Coefficient	0.69	0.69	0.68	0.69	0.68

Average Cold Water Absorption, after 5 h submersion, %	4.4
Average Cold Water Absorption, after 24 h submersion, %	4.8
Average Saturation Coefficient	0.69

**Reported To:** Mike Wood

**Submitted By:** Materials Testing



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