



American Test Lab of South Florida
6801 NW 17 Ave Ft Lauderdale, FL 33309
office 954-972-6208 fax 954-972-6285
www.atlsf.com email:info@atlsf.com

TEST REPORT FOR ROOF TILE PHYSICAL PROPERTIES

Client: Artezanos, Inc.
9455 S.W. 78th Street
Miami, Florida 33173
Att. Dan Arguelles

Report Date: 9/20/12
ATLSF Report #: RT0915.01-12
Page: 1 of 2

Test Authorized by:	Dan Arguelles
Sampled by:	Client
Date of Receipt:	Delivered: 9/13/12
ATLSF Item #:	111336
Test Method(s):	Standard Specification for Clay Roof Tiles, ASTM C1167-03
Manufacturer:	Zion Tile Corp..
Series/Model:	Terracotta, Clay, Handmade, Tapered, Barrel, Roof Tile
Test Specimen Description:	23 pieces, terracotta
Imprint:	Zion Tile Corp. Made in Nicaragua
Notice of Acceptance #:	07-0815.03
Classification:	Type III- High Profile, Grade 3
Dimensions, (as provided in NOA):	Length: 17.5", Width: 8.5", Thickness: 0.9", Weight: 7.5 lbf. Height: Not Provided
MDCBCC Notification #:	None
ATLSF Certification:	11-0128.01
Comments:	The test for efflorescence was not performed at the clients request.

Physical Property	Tile #1	Tile #2	Tile #3	Tile #4	Tile #5	Average	Requirements
Length (in.)	18.5	18.5	18.5	18.5	18.5	18.5	16.6 – 18.4 indiv. ≥ 17.5 average 5
Width (in.)	8.1	8.1	7.8	8.0	8.0	8.0	8.1 – 8.9 indiv. ≥ 8.5 average 5
Height (in.)	2.9	2.7	2.9	3.0	3.0	2.9	N/P
Thickness (in.)	.60	.62	.62	.60	.64	.62	.86– .95 indiv. ≥ .50 average 5
Dry Weight (lbf.)	7.0	6.7	6.9	7.0	6.8	6.9	6.8 – 8.3 indiv. ≤ 8.3 average 5
Absorption (%) 24 hr. soak	19.9	20.3	20.7	23.1	21.8	21.2	≤ 15 indiv. ≤ 13 average 5
Absorption (%) 5 hr. boil	25.9	25.8	26.6	28.6	27.3	26.8	N/A
Saturation Coefficient	.77	.79	.78	.81	.80	.79	≤ .86 indiv. ≤ .84 average 5
Permeability	Fail	Fail	Fail	N/R	N/R	Fail	Pass
Transverse Breaking Strength (lbf.) (dry)	120	147	158	143	115	137	≥ 350 indiv. ≥ 400 average 5
Reactive Particulates	None	None	None	None	None	None	Pass

N/A: Not Applicable, N/R: Test Not Required, N/P: Technical Data Sheets Not Provided


The physical properties test reported in report ATLSF #: RT0915.01-12, has been performed in full compliance with the requirements of Miami-Dade County, with no deviations.

The test reported in report ATLSF #: RT0915.01-12, indicates that the samples tested do not meet the minimum requirements provided in the test standard for classification identified.


American Test Lab of South Florida, its employees, and witnessing engineers do not own, operate, or are controlled by any manufacturer and have no financial interest in the manufacture, manufacture of any related parts, specification, or installation of this or a competing product.

End of Report.

Prepared by:


Tony Porcello, RRO
Chief Executive Officer
American Test Lab of South Florida

Reviewed by:


Henry Hattem, P.E.
Reg. State of Florida # 14373
American Test Lab of South Florida