



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: Verea Clay Roof Tiles
10651 West Atlantic Boulevard
Coral Springs, Florida 33071
Att.: Eusebio Ramirez

Report Date: 9/28/12
Report #: RT0917.01-12
Page #: 1 of 2

Test Authorized by:	Eusebio Ramirez
Sampled by:	Client
Date of Receipt:	9/12/12
ATLSF Item #:	111337
Test Method(s):	Standard Specification for Clay Roof Tiles, ASTM C1167-03
Manufacturer:	Ceramica Verea
Model:	Clay, Flat Roof Tile
Test Specimen Description:	40 pieces, terracotta
Imprint or Markings:	none
Nominal Dimensions (in.): (l x w x h):	16.4 x 11.8 x .66
Nominal Thickness (in.):	.51
Nominal Weight (lbf):	7.16
Classification:	Type III- Flat Profile, Grade 1
MDCBCC Notification #:	None
ATLSF Certification:	11-0128.01
Comments:	None

Physical Property	Tile #1	Tile #2	Tile #3	Tile #4	Tile #5	Average	Requirements
Length (in.)	16.3	16.3	16.4	16.4	16.4	16.4	15.6 – 17.2 indiv. ≥ 16.4 average 5
Width (in.)	11.8	11.8	11.8	11.8	11.8	11.8	11.2 – 12.4 indiv. ≥ 11.8 average 5
Height (in.)	.65	.65	.65	.65	.67	.65	.63 – .69 indiv. ≥ .66 average 5
Thickness (in.)	.54	.55	.54	.55	.55	.55	.48 – .54 indiv. ≥ .51 average 5
Dry Weight (lbf.)	7.1	7.1	7.1	7.1	7.1	7.1	6.4 – 7.9 indiv. ≤ 7.9 average 5
Absorption (%) 24 hr. soak	5.3	5.9	6.1	6.0	5.8	5.8	≤ 8 indiv. ≤ 6 average 5
Permeability	Pass	Pass	Pass	N/A	N/A	Pass	Pass
Transverse Breaking Strength (lbf.) (dry)	317	283	296	318	309	305	≥ 250 indiv. ≥ 300 average 5
Efflorescence	N/E	N/E	N/E	N/E	N/E	N/E	Not Effloresced
Reactive Particulates	None	None	None	None	None	None	None

N/A: Test Not Required, N/P: Not Provided, N/E: Not Effloresced

The physical properties test reported in report ATLSF #: RT0917.01-12, has been performed in full compliance with the requirements of Miami-Dade County, with no deviations. The test reported in report ATLSF #: RT0917.01-12, indicates that the samples tested meet the requirements provided in the test standard for classification identified with the exception that the average height for the five (5) tiles tested is less provided by the test method and the three (3) individual thickness are greater than provided by the test method.

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.

The measurement standards used in the testing of the above product(s) are traceable to the National Institute of Standards and Technology and/or to the standard for which the calibration is required to meet.

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