



American Test Lab of South Florida
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TEST REPORT FOR ROOF TILE PHYSICAL PROPERTIES

Client: VHR Roof Tile Mfg.
1665 Bohm Drive
Little Chute, Wisconsin 54140
Att. Bruce Rouleau

Report Date: 6/21/18
ATLSF Report #: RT0618.02-18

Test Authorized by:	Bruce Rouleau
Sampled by:	Client
Date of Delivery:	6/18/18
ATLSF Item #:	112442
Test Method(s):	Standard Requirements for Concrete Roof Tiles, TAS 112-95
Manufacturer:	VHR Roof Tile Mfg.
Model:	Spanish, High Profile, Concrete Roof Tile
Quantity Received:	13 tile
Nominal Dimensions (in.), (l x w), as provided by supplier:	17.25 x 13.0
Nominal Weight (lbf.), as provided by supplier:	11.6
Nominal Thickness (in.), as provided by supplier :	Not Provided
Imprint	A CASA – on the underside, along the valley on the overlock side of the tile
Classification:	Type 1a- High Profile, Interlocking, Class III
ATLSF Certifications:	Miami-Dade: 13-0228.09 A2LA: 2650.01 testing

Physical Property	Tile #1	Tile #2	Tile #3	Tile #4	Tile #5	Average	Requirements
Length (in.)	17.0	17.0	17.0	17.0	17.0	17.0	16.4 – 18.1
Width (in.)	13.0	13.0	13.0	13.0	13.0	13.0	12.4 – 13.7
Height (in.)	2.6	2.7	2.7	2.7	2.7	2.7	N/P
Thickness (in.)	.54	.56	.56	.53	.55	.55	N/P
Dry Weight (lbf.)	11.6	11.9	11.6	11.4	11.7	11.6	10.4 – 12.8
Unit Weight (lb/ft ³)	137.7	137.3	137.5	137.2	136.9	137.3	W ≥ 126
Absorption (lb/ft ³) 24 hr. soak	5.7	5.2	5.4	5.0	5.6	5.4	≤ 13
Permeability	Pass	Pass	Pass	N/R	N/R	Pass	Pass
Transverse Breaking Strength (lbf.) (dry)	734	745	756	696	750	736	≥ 325 indiv. ≥ 372 average 5

N/P: Technical Data Not Provided N/R: Test Not Required

Statement of Compliance: The tile tested meet the requirements of TAS 112-95, Section 7.1, for the classification identified on page 1, with the exception of the Freeze Thaw test which per Section 7.3, "shall not required for purposes of Florida Building Code, Building requirements."

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.

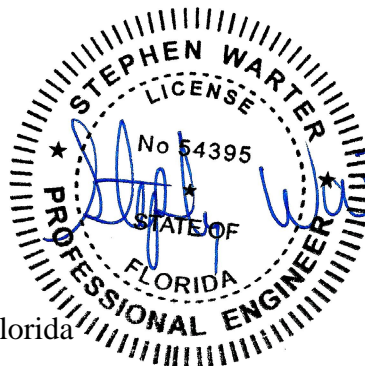
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 End of Report.

Prepared by:



Tony Porcello, RRO
 President
 American Test Lab of South Florida

Reviewed by:




Stephen W. Warter, P.E.
 Reg. State of Florida # 54395
 American Test Lab of South Florida