

# Engineering Evaluation Report

Joshua Royce, P.E.  
3 Indian Springs Rd  
Red Lion, PA 17356

**Report: 101137**

**Manufacturer:** Crown Building Products of Florida, LLC  
6018 SW Highway 72  
Arcadia, FL 34266

**Product:** Windsor Shake – Concrete Roof Tile

## Description of Product:

High profile interlocking concrete roofing tile. Roofing tiles may be mechanically fastened, mortar-set or adhesive-set.

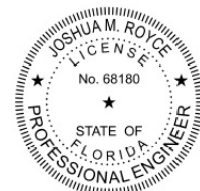
## Submitted Technical Documentation:

1. Test Reports RT0923.01-14, RT0923.02-14, RT0908.01-14 and RT0912.01-14 signed by Steven W. Warter, P.E. (FL PE 54395) of American Test Lab of South Florida located in Fort Lauderdale, FL.
2. Quality Assurance: Keystone Certification (Etters, PA)

## STANDARDS/REFERENCES:

Code	Section	Description of Test	Standard	Test Report #
2010	1507.3.5	Physical Properties	ASTM C 1492-03	RT0923.01-14 RT0923.02-14 RT0908.01-14
2010	1507.3.7	Attachment Requirements	FRSA/TRI 07320	
2010	1523.6.5.2	Physical Properties	TAS 112-95	RT0923.01-14 RT0923.02-14 RT0908.01-14
2010	1523.6.5.2	Wind Driven Rain	TAS 100-95	RT0923.01-14 RT0923.02-14 RT0908.01-14
2010	1523.6.5.2.2	Static Uplift Resistance	TAS 101-95	RT0912.01-14
2010	1523.6.5.2.3	Static Uplift Resistance	TAS 102-95	RT0912.01-14
2010	1523.6.5.2.3	Static Uplift Resistance	TAS 102(A)-95	RT0912.01-14

Tile Roof Institute TAS 100, TAS 101, 102, 102(A) Membership Confirmation Current



Secure Electronic Seal  
For Electronic Submissions

A handwritten signature of Joshua Royce in black ink.

Joshua Royce, P.E.  
Date: 10/24/14  
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## Limitations of Use:

1. Fire classification is not part of this evaluation; refer to FBC Section 1505 or current approved roofing material for fire rating of this product.
2. For non-HVHZ installations, installation shall comply with manufacturer's current published installation instructions, but not less than the requirements as established in FBC Section 1507.3 and the FRSA/TRI 07320, 4<sup>th</sup> edition for mechanically fastened installations.
3. For non-HVHZ installations, installation shall comply with manufacturer's current published installation instructions, but not less than the requirements as established in FBC Section 1607.7.3 and the mortar or adhesive manufacturer's product approval for mortar or adhesive fastened installations.
4. For HVHZ installations, a static field uplift test shall be performed in accordance with TAS 106 for mortar or adhesive set tile installations.
5. See evaluation report RT1206.01-13 for attachment calculations.

## Compliance:

The above listed products have been shown to demonstrate compliance with the Florida Building Code and with the Florida Department of Community Affairs for Statewide Product Approval as per Rule 61G20-3 method 1(d).

## Certificate of Independence:

In accordance with Rule 61G20-3, I do not have, nor do I ever intend to acquire, any financial interest in any manufacturing company associated with this evaluation report. I also do not have any financial interest in the manufacturing company or any company associated with the manufacturing company



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For Electronic Submissions

A handwritten signature in black ink that reads "J. Royce".

Joshua Royce, P.E.  
Date: 10/24/14  
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