

Engineering Evaluation Report

Joshua Royce, P.E.
2482 Armstrong Valley Rd
Murfreesboro, TN 37128

Report: 102106

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

Product: Windsor Flat Profiles – Concrete Roof Tile

Description of Product:

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

Submitted Technical Documentation:

1. Test Reports RT0819.03-19, RT0923.01-14, RT0923.02-14, RT0908.01-14, RT0912.01-14 and RT1020.02-14 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 #
2023	1507.3.5	Physical Properties	ASTM C 1492-03	RT0923.01-14 RT0923.02-14 RT0908.01-14
2023	1507.3.7	Attachment Requirements	FRSA/TRI	
2023	1523.6.5.2	Physical Properties	TAS 112-95	RT0819.03-19
2023	1523.6.5.2	Wind Driven Rain	TAS 100-95	RT0923.01-14 RT0923.02-14 RT0908.01-14
2023	1523.6.5.2.2	Static Uplift Resistance	TAS 101-95	RT0912.01-14
2023	1523.6.5.2.3	Static Uplift Resistance	TAS 102-95	RT0912.01-14
2023	1523.6.5.2.3	Static Uplift Resistance	TAS 102(A)-95	RT0912.01-14
2023		Freeze and Thawing	ASTM C67-08	RT1020.02-14

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

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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 Florida High Wind Concrete and Clay Roof Tile Installation Manual, 7th 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 1609.6.3 and the mortar or adhesive manufacturer's product approval for mortar or adhesive fastened installations.
4. See evaluation report RT0912.01-14 for attachment calculations.

Compliance:

The above listed products have been shown to demonstrate compliance with the 2020 Florida Building Code and with the Florida Department of Business and Professional Regulation for Statewide Product Approval as per Rule 61G20-3.

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.